

2017-2022

CAPITAL IMPROVEMENTS PLAN

Resolution No. 1336
Adopted by the City Council
on July 14, 2016

CITY OF DES MOINES
2017 – 2022
CAPITAL IMPROVEMENTS PLAN

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“You can avoid reality, but you cannot avoid the consequences of avoiding reality.”

Ayn Rand

INTRODUCTION

This document is the City of Des Moines's 2017-2022 Capital Improvement Plan. The Capital Improvement Plan provides a multi-year list of proposed major capital and major repair expenditures for the city. This plan attempts to set funding strategies not only for the current year, but also for the next five years to project future needs for major construction, land acquisition and equipment needs that improve the cultural environment, capital infrastructure and recreational opportunities for the citizens of Des Moines. Capital expenditures are viewed not only in the context of how much the new project will cost, but also what impact the project will have on the city's operating budget.

OVERVIEW

Capital facilities planning and financing is subject to the State of Washington Growth Management Act of 1990 (GMA). The GMA requires communities to adopt comprehensive plans designed to guide the orderly development of growth over the next twenty years.

In accordance with GMA, the city has prepared its 2017-2022 Capital Improvement Plan ("CIP"). This plan provides long-range policy guidance for the development of capital improvements and identification of major repairs to accommodate orderly growth, set policy direction for capital improvements and ensure that needed capital facilities are provided in a timely manner.

The GMA requires the following elements in long term capital planning:

1. An inventory of existing publicly-owned capital facilities showing locations and capacities.
2. A forecast of the future needs for such capital facilities.
3. The proposed locations and capacities of expanded or new capital facilities.
4. A minimum six-year plan that will finance such capital facilities within projected funding capacities and clearly identifies sources of public money for such purposes.
5. A requirement to reassess the land-use element if probable funding falls short of meeting existing needs.

The 2017-2022 CIP is the result of step 4 listed above.

For financial and accounting purposes, municipal capital and operating funds are divided into two broad categories: general governmental and proprietary. General governmental activities are supported primarily by taxes and user fees, while proprietary activities rely primarily on fees generated from the sale of goods and services for their operations. Capital improvements for police, parks, and transportation are traditionally general governmental in nature, while those for surface water and marina are proprietary.

Revenue sources for general governmental capital improvements are constrained by legal limits on tax rates that can be charged to raise funds for capital improvements, and on the amount of general obligation debt (capacity) that can be issued to raise funds for capital improvements. Proprietary funds' revenue sources are less restricted in that user fees could be increased or revenue-backed debt issued with the approval of the legislative body.

In addition, general governmental capital funding for improvements that rely on voter-approved bond issues creates uncertainty of when or if certain projects will take place.

CIP PROJECT CRITERIA

Capital expenditures include expenditures for buildings, land, major equipment, and other commodities that are of significant value (greater than \$25,000) and have a useful life of at least five years. Anticipated major repairs/maintenance greater than \$25,000 have also been included. The next year of capital spending and projects which do not meet the capital criteria are included in the annual Operating Budget.

The Capital Improvement Plan (CIP) lists each proposed project to be undertaken, the year in which it will be started, the amount expected to be expended in each year and the proposed method of financing these expenditures. Based on these details, summaries of project activities in each year can be prepared, as well as summaries of financial requirements, such as amounts of general obligation bonds to be issued, amounts of general operation funds required and any anticipated intergovernmental support, etc.

The capital improvement budget is enacted annually based on the capital improvement plan. It appropriates funding for the projects in the first year of the capital improvement plan as well as any projects started but not yet complete.

Flexibility is built into the capital improvement plan to allow for delay of projects when financing constraints make it impossible to allow for funding of the entire array of projects and to move future projects forward when financial availability makes it possible. The CIP is updated at least annually.

WHY PLAN FOR CAPITAL FACILITIES?

Project planning provides several advantages to the community:

- It facilitates repair or replacement of existing facilities before they fail. Failure is almost always more costly, time-consuming and disruptive than planned repair or replacement.
- It focuses community and the City Council's attention to priorities, goals, needs and capabilities. There are always more needs and competing projects than available funds. A good project plan forces the city to consciously set priorities between competing projects and interests.
- It provides a framework for decisions about community growth and development. Long-range planning for infrastructure needs allows the community to accommodate reasonable growth in new facilities while maintaining existing infrastructure, based on goals established through the planning process.
- It promotes a more efficient government operation. Coordination of projects can minimize disruption and reduce scheduling problems and conflicts between several projects. Related projects, such as sidewalks, drainage and roads, can be planned simultaneously.
- It helps distribute costs more equitably over a longer period of time, avoiding the need to impose spikes in tax financing. For example, new projects can be scheduled as current debt levels decline.
- It enhances opportunities for outside financial assistance. Adequate lead time allows for the opportunity to explore all avenues of outside grant funding with federal, state, and local financial assistance programs.

- It serves as an effective community education tool in conveying to the public that the City Council has made decisions that affect the future of the city and in its implementation provides guidance for development of the community.

FINANCIAL POLICIES & REVENUE SOURCES

The City Council has adopted policies that encourage fiscal responsibility while establishing reliable sources of funding for project expenditures on an ongoing basis. Described below are policies and revenues sources which support the CIP process.

Revenue Policies and Sources

- In 2012 City Council adopted Ordinance No. 1561 which was later amended by Ordinance No. 1637 in 2015, which defines one-time revenues and restricts the use of one-time revenues to fund municipal capital improvements projects.
- Rate studies in proprietary funds are conducted periodically to determine the adequacy of user charges and annual contributions for capital improvements. The Marina underwent a rate studies in 2006 and the Surface Water Management Utility completed its latest rate study in 2015. The City Council implemented a three-year phased-in approach of rate increases as proposed by the Surface Water Management Utility Rate Study. In 2007, the City Council approved Resolution No. 1028 adopting increases in Marina rates for through 2009. Subsequent rate changes for both the Marina and the Surface Water Management Utility are based on the CPI inflation index.
- Park in-lieu fees from single-family subdivisions and multi-family developments are used for the acquisition and development of neighborhood parks determined necessary as a consequence of the proposed development, or for designated community parks.
- Transportation Impact Fees are used to pay for past and future payments of capital expenditures for growth related transportation improvements and are also available to repay the debt service on bonds or loans financed for growth related transportation improvements

Debt Management Policies:

- The city shall determine the most advantageous financing method for all new projects. Whenever possible, the city shall identify alternative sources of funding and shall examine the availability of all sources in order to minimize the level of debt.
- Pay-as-you-go financing of capital improvements shall be utilized whenever possible.
- The city shall utilize intergovernmental contribution, when available, to finance capital improvements that are consistent with the goals and priorities of the city.
- The scheduled maturities of long-term obligations shall not exceed the expected useful life of the capital project or asset financed.

CAPITAL IMPROVEMENT PLAN PROCESS

The capital improvement plan process is built around the following eight steps:

1. *Establish administrative and policy framework for capital programming and budgeting.* The first step in implementing an effective capital improvement planning and budget process is to establish the underlying organizational and policy framework within which the process operates. All requests for capital improvement projects are submitted to the Finance Department.

2. *Prepare inventory of existing facilities.* Each governmental unit compiles an inventory of its own physical plant. This helps to indicate the eventual need for renewal, replacements, expansion or retirement of some of the physical plant. This often is accomplished through a master plan process.

3. *Review the status of on-going projects.* The estimated costs of these projects are reviewed to ensure accuracy and monitor the funding necessary to complete the project.

4. *Perform financial analysis and financial programming.* Financial analysis involves the determination of the City of Des Moines' financial capability for major expenditures by examining past, present and future revenue, expenditures and municipal debt. The selection and scheduling of funding sources of these major expenditures is known as financial programming. Some of the important objectives of financial programming include:

- Smoothing the tax rate impacts
- Maintaining a preferred balance of debt service and current expenditures
- Determining debt capacity and appropriate debt service levels
- Maximizing intergovernmental aid relative to local expenditures

The intent is to come up with a level of project expenditures which the municipality can safely afford over the next several years while maintaining a minimal impact of the property tax rate and other municipal revenues.

5. *Compile and evaluate project requests.* Once the Finance Department has completed reviewing and summarizing the CIP requests, the CIP requests are then presented to the City Council Committees (Environment: Surface Water Management Capital Projects; Municipal Facilities: Parks, Administrative and Maintenance Facilities, and Marina Capital Projects; Public Safety and Transportation: Transportation Capital Projects) for review and prioritization based on the criteria contained in the Capital Project Criteria section.

6. *Adopt of the capital program and budget.* The City Council as a whole, reviews, modifies and adopts the Capital Improvement Plan in the summer. Continuing projects plus projects listed in the CIP to start the next fiscal year are included in the Capital Project Budget which council adopts (along with the Operating Budget) before the end of the current year.

7. *Monitoring the Capital Project Budget.* Monitoring the approved capital project budget requires appropriate actions from the Finance Department. Since capital projects often involve time-consuming activities such as bidding, site selection, and lengthy purchasing and construction delays, the actual implementation of projects may be completed somewhat later than the designated year. If funds are incomplete, it may be desirable to split the project over two funding years. An example of this would be

completing the Engineering design and bid specification development in one year and the actual construction in the second year.

8. *Modifications.* Significant change in project scope, time or costs requires a budget amendment by the City Council.

CAPITAL PROJECT EVALUATION CRITERIA

Legal. A State or Federal mandate may require a project be implemented. Court orders and judgments concerning annexation property owners' rights, environmental protection, etc. are examples of legal requirements which may affect project prioritization.

Safety. Benefit to the environment, safety or public health of the community is evaluated. For example, all street projects concern public safety, but streets for which documented evidence of existing safety hazards are given higher priority.

Comprehensive Plan. Consistency with the city's Comprehensive Plan is important. Capital projects may directly or indirectly relate to comprehensive plan and should be consistent with the comprehensive plan.

Funding. The extent to which outside funding is available for a project or purchase is evaluated.

Related Project. Sometimes projects in one category are essential to the success of those in others. Related projects proposed by other departments or governmental jurisdictions may even affect a savings to a particular project. Coordination of street projects with utility programs within the city (or those planned by other jurisdictions) can reduce costs and minimize public inconvenience. A surface water line replacement needed in three years may be given a higher priority in order to coincide with a street resurfacing project needed immediately.

Efficiencies. Projects which substantially improve the quality of service at the same operating cost, or eliminate obsolete and inefficient facilities, or lower operating costs are given higher priority.

Economic Impact. A project may affect the local economy. Increases or decreases in property valuations may occur. Rapid growth in the area may increase the city's land acquisition costs if the project is deferred.

Public Support. Projects are generally more easily implemented if there is public demand and support for them.

“Each of us is carving a stone, erecting a column,
or cutting a piece of stained glass in the construction
of something much bigger than ourselves.”

Adrienne Clarkson

SUMMARY LISTING OF PROJECT EXPENDITURES AND FUNDING SOURCES

CITY OF DES MOINES
CIP COSTS SUMMARY: 2017-2022
(Amounts in Thousands)

| Page # | Project Name | Total Budget | Project to Date 12/31/15 | Sched Year 2016 | Plan Year 2017 | Plan Year 2018 | Plan Year 2019 | Plan Year 2020 | Plan Year 2021 | Plan Year 2022 |
|--------|--------------|--------------|-----------------------------|--------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
|--------|--------------|--------------|-----------------------------|--------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|

GENERAL MUNICIPAL IMPROVEMENTS

Economic Development & Tourism Projects

| | | | | | | | | | | |
|----|----------------------------------|-----|---|-----|-----|---|---|---|---|---|
| 17 | N. Lot Fishing Pier Paid Parking | 400 | - | 400 | - | - | - | - | - | - |
| 19 | I- 5 Signage | 60 | - | - | 60 | - | - | - | - | - |
| 21 | Redondo Paid Parking | 200 | - | - | 200 | - | - | - | - | - |
| | Total Econ Dev & Tourism | 660 | - | 400 | 260 | - | - | - | - | - |

Building Facility Projects

| | | | | | | | | | | |
|----|--------------------------------------|-------|---|-----|-----|-----|----|---|----|-----|
| 23 | Field House Roof | 120 | - | 120 | - | - | - | - | - | - |
| 25 | Council Chambers Lighting | 25 | - | 25 | - | - | - | - | - | - |
| 27 | LED Exterior Lighting | 34 | - | - | - | 34 | - | - | - | - |
| 29 | Founders' Lodge Exterior Paint | 90 | - | - | - | 90 | - | - | - | - |
| 31 | Engineer Bldg Windows | 25 | - | - | - | - | 25 | - | - | - |
| 33 | City Hall Canopy Repairs | 55 | - | - | - | - | 55 | - | - | - |
| 35 | Activity Center Exterior Paint | 53 | - | - | 53 | - | - | - | - | - |
| 37 | PW Service Center Interior Painting | 60 | - | - | - | - | - | - | 60 | - |
| 39 | Field House Interior Paint | 35 | - | - | - | - | - | - | 35 | - |
| 41 | City Hall Generator | 341 | - | - | 341 | - | - | - | - | - |
| 43 | Police Dept Storage Building | 445 | - | - | - | - | - | - | - | 445 |
| 45 | Activity Center Irrigation/Landscape | 65 | - | - | - | - | - | - | - | 65 |
| 47 | City Hall Parking Lot | 260 | - | - | - | - | - | - | - | 260 |
| | Total Building Facilities | 1,608 | - | 145 | 394 | 124 | 80 | - | 95 | 770 |

Technology Projects

| | | | | | | | | | | |
|----|------------------------------|-----|---|-----|-----|---|---|---|---|---|
| 49 | Financial System Replacement | 252 | - | 101 | 151 | - | - | - | - | - |
| | Total Technology | 252 | - | 101 | 151 | - | - | - | - | - |

| Page # | Project Name | Total Budget | Project to Date 12/31/15 | Sched Year 2016 | Plan Year 2017 | Plan Year 2018 | Plan Year 2019 | Plan Year 2020 | Plan Year 2021 | Plan Year 2022 | |
|---|---------------------------------------|--------------|-----------------------------|--------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------|
| <u>Park Facility & Playground Projects</u> | | | | | | | | | | | |
| 51 | BP Picnic Shelter/Restrooms | 623 | 7 | 616 | - | - | - | - | - | - | |
| 53 | Parkside Playground | 441 | 19 | 422 | - | - | - | - | - | - | |
| 55 | Parkside Soil Remediation | 121 | - | 121 | - | - | - | - | - | - | |
| 57 | Field House Tennis Court | 25 | - | - | 25 | - | - | - | - | - | |
| 59 | Wooton Park | 234 | - | - | 155 | - | - | 79 | - | - | |
| 61 | Beach Park Promenade & Play Equip | 760 | - | - | - | - | 760 | - | - | - | |
| 63 | DMBP Sun Home Lodge Rehab | 617 | - | - | - | 45 | 572 | - | - | - | |
| 65 | Field House Play Equipment | 77 | - | - | - | - | 77 | - | - | - | |
| 67 | Westwood Play Equipment | 68 | - | - | - | - | 68 | - | - | - | |
| 69 | Water Tower Park Play Equipment | 80 | - | - | - | - | - | 80 | - | - | |
| 71 | SJU Irrig and Landscape | 205 | - | - | - | - | - | - | - | 205 | |
| Total City Wide Park Facilities | | | 3,251 | 26 | 1,159 | 180 | 45 | 1,477 | 159 | - | 205 |
| <u>Waterfront Facility Projects</u> | | | | | | | | | | | |
| 73 | Redondo Floats | 110 | - | - | - | - | - | 110 | - | - | |
| 75 | Redondo Fishing Pier Replace Decking | 225 | - | - | - | - | - | 225 | - | - | |
| 77 | North Bulkhead | 2,100 | - | - | - | - | - | - | 100 | 2,000 | |
| 79 | N Pier Restrooms | 250 | - | - | - | - | - | - | - | 250 | |
| 81 | Redondo Restroom & Plaza | 400 | - | - | - | - | - | - | - | 400 | |
| Total Waterfront Facilities | | | 3,085 | - | - | - | - | 335 | - | 100 | 2,650 |
| <u>Transportation - Operating Projects</u> | | | | | | | | | | | |
| 83 | Arterial Street Pavement Preservation | 2,500 | - | 20 | 700 | 20 | 860 | 20 | 860 | 20 | |
| 85 | Arterial Traffic Calming | 75 | - | 15 | 15 | - | - | 15 | 15 | 15 | |
| 87 | Sidewalk Program | 140 | - | 20 | 20 | 20 | 20 | 20 | 20 | 20 | |
| 89 | Guardrail Program | 100 | - | 25 | - | 25 | - | 25 | - | 25 | |
| Total Transport - O&M Projects | | | 2,815 | - | 80 | 735 | 65 | 880 | 80 | 895 | 80 |

CITY OF DES MOINES
CIP COSTS SUMMARY: 2017-2022
(Amounts in Thousands)

| Page # | Project Name | Total Budget | Project to Date 12/31/15 | Sched Year 2016 | Plan Year 2017 | Plan Year 2018 | Plan Year 2019 | Plan Year 2020 | Plan Year 2021 | Plan Year 2022 | |
|---|---|--------------|-----------------------------|--------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|---------------|
| <u>Transportation - Capital Projects</u> | | | | | | | | | | | |
| 91 | SW Bridge Seismic Retrofit | 4,412 | 4,367 | 45 | - | - | - | - | - | - | |
| 93 | Midway SRTS 24th Ave Sidewalk | 395 | 28 | 72 | 295 | - | - | - | - | - | |
| 95 | 24th Ave South Improvement | 8,500 | 8,470 | 30 | - | - | - | - | - | - | |
| 97 | Gateway - S 216th Segment 1A | 6,885 | 1,817 | 5,068 | - | - | - | - | - | - | |
| 99 | Barnes Creek Trail | 4,869 | 540 | 524 | - | - | 50 | 2,253 | 1,502 | - | |
| 101 | Redondo Board Walk Replacement | 4,695 | 458 | 4,237 | - | - | - | - | - | - | |
| 103 | South 268th Street Sidewalk | 880 | - | 880 | - | - | - | - | - | - | |
| 105 | S 224th St Improvements | 615 | - | 113 | 502 | - | - | - | - | - | |
| 107 | Adrianna Sidewalk Vacation Placeholder | 106 | - | - | 106 | - | - | - | - | - | |
| 109 | 16th Ave - Seg 5A | 129 | - | - | 129 | - | - | - | - | - | |
| 111 | 24th Ave/Sea-Tac Intersection | 30 | - | - | 30 | - | - | - | - | - | |
| 113 | Downtown Alley Improvement | 430 | - | - | 70 | 360 | - | - | - | - | |
| 115 | S 223rd Walkway Improvements | 191 | - | - | 15 | 176 | - | - | - | - | |
| 117 | S 200th St Safe Routes to School | 720 | - | - | 75 | 645 | - | - | - | - | |
| 119 | Marine View Dr Roundabout | 2,072 | - | - | 160 | 812 | 1,100 | - | - | - | |
| 121 | South 216th - Segment 3 | 5,650 | - | - | 159 | 501 | 4,990 | - | - | - | |
| 123 | South 236th Lane | 2,191 | - | - | - | - | 200 | 200 | 1,791 | - | |
| 125 | Redondo Area Street Improvements | 70 | - | - | - | - | - | 70 | - | - | |
| 127 | South 240th Street Improve - Seg 1 | 6,300 | - | - | - | - | - | 735 | 5,565 | - | |
| 129 | South 240th Street Improve - Seg 2 | 4,850 | - | - | - | - | - | 435 | 4,415 | - | |
| 131 | Kent-Des Moines Rd - Seg 2 | 7,200 | - | - | - | - | - | - | 985 | 6,215 | |
| 133 | SeaTac Signal Improvements | 350 | - | - | - | - | - | - | - | 350 | |
| Total Transport - Capital Projects | | | 61,540 | 15,680 | 10,969 | 4,035 | 8,834 | 10,033 | 17,951 | 20,823 | 6,565 |
| Total General Municipal Improvements | | | 73,211 | 15,706 | 12,854 | 5,755 | 9,068 | 12,805 | 18,190 | 21,913 | 10,270 |
| MARINA CAPITAL IMPROVEMENTS | | | | | | | | | | | |
| 135 | Marina Boat Building | 300 | - | 300 | - | - | - | - | - | - | |
| 137 | Dock Electrical Replacements | 360 | - | 60 | 60 | - | 60 | 60 | 60 | 60 | |
| 139 | Marina Gate Security | 40 | - | 40 | - | - | - | - | - | - | |
| 141 | Marina Fiber Optic Cable | 150 | - | - | 150 | - | - | - | - | - | |
| 143 | Fuel Dispenser | 60 | - | - | - | 60 | - | - | - | - | |
| 145 | Marina Dock Replacement | 1,200 | - | - | - | - | - | - | - | 1,200 | |
| Total Marina | | | 2,110 | - | 400 | 210 | 60 | 60 | 60 | 1,260 | |
| SURFACE WATER MANAGEMENT CAPITAL | | | | | | | | | | | |
| 147 | Barnes Crk/Kent-Des Moines Rd Culvert | 1,878 | 320 | 225 | 178 | 1,155 | - | - | - | - | |
| 149 | Lower Massey Creek Channel Modification | 1,908 | 366 | 1,542 | - | - | - | - | - | - | |
| 151 | S. 251st Street Storm Outfall | 370 | - | 370 | - | - | - | - | - | - | |
| 153 | 24th Ave Pipeline Replacement/Upgrade | 263 | - | 30 | 233 | - | - | - | - | - | |
| 155 | Pipe Replacement Program | 1,640 | - | - | 49 | 328 | 328 | 328 | 328 | 279 | |
| 157 | 1st Ave Pond Expansion | 385 | - | - | - | 60 | 325 | - | - | - | |
| 159 | 5th Ave/212th Street Pipe Upgrade | 815 | - | - | - | - | 815 | - | - | - | |
| 161 | N. Fork McSorley Ck Diversion | 432 | - | - | - | - | - | 432 | - | - | |
| 163 | 6th Ave/239th Pipe Replacement | 191 | - | - | - | - | - | 191 | - | - | |
| 165 | 14th Ave (268th to 272nd) Pipe Upgrade | 478 | - | - | - | - | - | 478 | - | - | |
| 167 | 216th Pl/ Marine View Dr. Pipe Upgrade | 309 | - | - | - | - | - | - | 309 | - | |
| 169 | KDM/16th Avenue A Pipe Replacement | 272 | - | - | - | - | - | - | 272 | - | |
| 171 | DMMD 208th to 212th Pipe Project | 603 | - | - | - | - | - | - | 603 | - | |
| 173 | 8th Ave (264th to 265th) | 270 | - | - | - | - | - | - | - | 270 | |
| 175 | KDM/16th Ave B Pipe Replacement | 880 | - | - | - | - | - | - | - | 880 | |
| Total Surface Water Mgmt | | | 10,694 | 686 | 2,167 | 460 | 1,543 | 1,468 | 1,429 | 1,512 | 1,429 |
| TOTAL CITY WIDE | | | 86,015 | 16,392 | 15,421 | 6,425 | 10,671 | 14,333 | 19,679 | 23,485 | 12,959 |

CIP REVENUE SOURCE SUMMARY: 2017-2022

(Amounts in Thousands)

| Page # | Project Name | Total Budget | Project to Date 12/31/15 | Sched Year 2016 | Plan Year 2017 | Plan Year 2018 | Plan Year 2019 | Plan Year 2020 | Plan Year 2021 | Plan Year 2022 |
|--|---|---------------------|---------------------------------|------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| GENERAL FUND | | | | | | | | | | |
| 17 | N. Lot Fishing Pier Paid Parking | 125 | - | 125 | - | - | - | - | - | - |
| | Total General Fund | 125 | - | 125 | - | - | - | - | - | - |
| COMPUTER REPLACEMENT FUND | | | | | | | | | | |
| 49 | Financial System Replacement | 192 | - | 71 | 121 | - | - | - | - | - |
| | Total Computer Replacement Fund | 192 | - | 71 | 121 | - | - | - | - | - |
| REDONDO ZONE | | | | | | | | | | |
| 125 | Redondo Area Street Improvements | 70 | - | - | - | - | - | 70 | - | - |
| | Total Redondo Zone Parking | 70 | - | - | - | - | - | 70 | - | - |
| AUTOMATED SPEED ENFORCE (ASE) | | | | | | | | | | |
| 93 | Midway SRTS 24th Ave Sidewalk | 268 | 207 | - | 61 | - | - | - | - | - |
| 103 | South 268th Street Sidewalk | 38 | - | 38 | - | - | - | - | - | - |
| 85 | Arterial Traffic Calming | 75 | - | 15 | 15 | - | - | 15 | 15 | 15 |
| 87 | Sidewalk Program | 140 | - | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 117 | S 200th St Safe Routes to School | 75 | - | - | 25 | 50 | - | - | - | - |
| 115 | S 223rd Walkway Improvements | 30 | - | - | - | 30 | - | - | - | - |
| | Total ASE | 626 | 207 | 73 | 121 | 100 | 20 | 35 | 35 | 35 |
| TRANSPORTATION BENEFIT DISTRICT | | | | | | | | | | |
| 83 | Arterial Street Pavement Preservation | 2,500 | - | 280 | 440 | 440 | 440 | 440 | 440 | 20 |
| 103 | South 268th Street Sidewalk | 50 | - | 50 | - | - | - | - | - | - |
| | Total Transporation Benefit District | 2,550 | - | 330 | 440 | 440 | 440 | 440 | 440 | 20 |
| REET 1st QTR % | | | | | | | | | | |
| 99 | Barnes Creek Trail | 644 | 39 | 248 | - | - | 50 | 204 | 103 | - |
| 101 | Redondo Board Walk Replacement | 500 | 30 | 470 | - | - | - | - | - | - |
| 57 | Field House Tennis Court | 25 | - | - | 25 | - | - | - | - | - |
| 51 | BP Picnic Shelter/Restrooms | 41 | - | 171 | (54) | (54) | (22) | - | - | - |
| 21 | Redondo Paid Parking | 200 | - | - | 200 | - | - | - | - | - |
| 77 | North Bulkhead | 1,100 | - | - | - | 200 | 200 | 200 | 200 | 300 |
| 41 | City Hall Generator | 365 | - | - | - | - | - | - | 24 | 341 |
| 43 | Police Dept Storage Building | 445 | - | - | - | - | - | - | - | 445 |
| 47 | City Hall Parking Lot | 260 | - | - | - | - | - | - | - | 260 |
| | Total REET 1st Qtr % | 3,580 | 69 | 889 | 171 | 146 | 228 | 404 | 327 | 1,346 |
| REET - 2nd QTR % | | | | | | | | | | |
| 53 | Parkside Playground | 10 | 8 | 2 | - | - | - | - | - | - |
| 55 | Parkside Soil Remediation | 1 | - | 1 | - | - | - | - | - | - |
| 17 | N. Lot Fishing Pier Paid Parking | 275 | - | 275 | - | - | - | - | - | - |
| 103 | South 268th Street Sidewalk | 94 | - | 94 | - | - | - | - | - | - |
| 89 | Guardrail Program | 100 | - | 25 | - | 25 | - | 25 | - | 25 |
| 59 | Wooton Park | 234 | - | - | 155 | - | - | 79 | - | - |
| 65 | Field House Play Equipment | 77 | - | - | - | - | 77 | - | - | - |
| 73 | Redondo Floats | 40 | - | - | - | - | 40 | - | - | - |
| 75 | Redondo Fishing Pier Replace Decking | 67 | - | - | - | - | 67 | - | - | - |
| 67 | Westwood Play Equipment | 68 | - | - | - | - | 68 | - | - | - |
| 69 | Water Tower Park Play Equipment | 80 | - | - | - | - | - | 80 | - | - |
| 71 | SJU Irrig and Landscape | 145 | - | - | - | - | - | - | - | 145 |
| 81 | Redondo Restroom & Plaza | 200 | - | - | - | - | - | - | - | 200 |
| 79 | N Pier Restrooms | 250 | - | - | - | - | - | - | - | 250 |
| | Total REET 2nd Qtr % | 1,641 | 8 | 397 | 155 | 25 | 252 | 184 | - | 620 |

CITY OF DES MOINES
CIP REVENUE SOURCE SUMMARY: 2017-2022

(Amounts in Thousands)

| Page # | Project Name | Total Budget | Project to Date 12/31/15 | Sched Year 2016 | Plan Year 2017 | Plan Year 2018 | Plan Year 2019 | Plan Year 2020 | Plan Year 2021 | Plan Year 2022 |
|---------------------------------|--|---------------|--------------------------|-----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| KING COUNTY PARK LEVY | | | | | | | | | | |
| 99 | Barnes Creek Trail | 288 | 288 | - | - | - | - | - | - | - |
| 51 | BP Picnic Shelter/Restrooms | 289 | 107 | 52 | 54 | 54 | 22 | - | - | - |
| | <i>Repay REET temp used for BP Picnic/Restroom</i> | | | | (54) | (54) | (22) | | | |
| | Total King County Park Levy | 577 | | 395 | 52 | - | - | - | - | - |
| PARK IN LIEU | | | | | | | | | | |
| 61 | Beach Park Promenade & Play Equip | 380 | - | - | - | - | 380 | - | - | - |
| | Total Park in Lieu | 380 | | | | | 380 | - | - | - |
| ONE TIME REVENUE | | | | | | | | | | |
| 41 | City Hall Generator | 341 | - | - | 341 | - | - | - | - | - |
| | Total One Time Revenue | 341 | | | 341 | - | - | - | - | - |
| TRAFFIC IN LIEU | | | | | | | | | | |
| 95 | 24th Ave South Improvement | 4,166 | 4,166 | - | - | - | - | - | - | - |
| 109 | 16th Ave - Seg 5A | 129 | 129 | - | - | - | - | - | - | - |
| 97 | Gateway - S 216th Segment 1A | 850 | 259 | 591 | - | - | - | - | - | - |
| 107 | Adrianna Sidewalk Vacation Placeholder | 106 | 106 | - | - | - | - | - | - | - |
| 113 | Downtown Alley Improvement | 330 | - | - | 70 | 260 | - | - | - | - |
| 123 | South 236th Lane | 1,091 | - | - | 517 | - | 574 | - | - | - |
| 119 | Marine View Dr Roundabout | 783 | - | - | - | 343 | 440 | - | - | - |
| 121 | South 216th - Segment 3 | 1,300 | - | - | - | - | 1,300 | - | - | - |
| 129 | South 240th Street Improve - Seg 2 | 2,900 | - | - | - | - | - | 235 | 2,665 | - |
| 131 | Kent-Des Moines Rd - Seg 2 | 20 | - | - | - | - | - | - | 20 | - |
| | Total Traffic in Lieu | 11,675 | | 4,660 | 591 | 587 | 603 | 2,314 | 235 | 2,685 |
| TRANSPORTATION CIP | | | | | | | | | | |
| 91 | SW Bridge Seismic Retrofit | 528 | 528 | - | - | - | - | - | - | - |
| 99 | Barnes Creek Trail | 69 | 69 | - | - | - | - | - | - | - |
| 97 | Gateway - S 216th Segment 1A | 894 | 688 | 206 | - | - | - | - | - | - |
| 105 | S 224th St Improvements | 615 | 606 | 9 | - | - | - | - | - | - |
| | Total Transportation CIP Fund | 2,288 | | 1,891 | 397 | - | - | - | - | - |
| TRAFFIC IMPACT CITY WIDE | | | | | | | | | | |
| 95 | 24th Ave South Improvement | 181 | 181 | - | - | - | - | - | - | - |
| 97 | Gateway - S 216th Segment 1A | 366 | 50 | 316 | - | - | - | - | - | - |
| 93 | Midway SRTS 24th Ave Sidewalk | 127 | - | 72 | 55 | - | - | - | - | - |
| 111 | 24th Ave/Sea-Tac Intersection | 30 | - | - | 30 | - | - | - | - | - |
| 119 | Marine View Dr Roundabout | 160 | - | - | 160 | - | - | - | - | - |
| 121 | South 216th - Segment 3 | 420 | - | - | 24 | 75 | 321 | - | - | - |
| 123 | South 236th Lane | 1,100 | - | - | - | - | 1,100 | - | - | - |
| 99 | Barnes Creek Trail | 200 | - | - | - | - | - | 100 | 100 | - |
| 131 | Kent-Des Moines Rd - Seg 2 | 330 | - | - | - | - | - | - | 330 | - |
| 133 | SeaTac Signal Improvements | 350 | - | - | - | - | - | - | - | 350 |
| | Total Traffic Impact City Wide | 3,264 | | 231 | 388 | 269 | 75 | 1,421 | 100 | 430 |

CITY OF DES MOINES
CIP REVENUE SOURCE SUMMARY: 2017-2022

(Amounts in Thousands)

| Page # | Project Name | Total Budget | Project to Date | Sched Year | Plan Year |
|--|---|---------------------|------------------------|-------------------|------------------|------------------|------------------|------------------|------------------|
| | | | 12/31/15 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
| MARINA REVENUES | | | | | | | | | |
| 49 | Financial System Replacement | 30 | - | 15 | 15 | - | - | - | - |
| 139 | Marina Gate Security | 40 | - | 40 | - | - | - | - | - |
| 145 | Marina Dock Replacement | 1,200 | - | 116 | 125 | 125 | 125 | 125 | 125 |
| 137 | Dock Electrical Replacements | 360 | - | 60 | 60 | - | 60 | 60 | 60 |
| 135 | Marina Boat Building | 300 | - | 300 | - | - | - | - | - |
| 141 | Marina Fiber Optic Cable | 150 | - | - | 150 | - | - | - | - |
| 143 | Fuel Dispenser | 60 | - | - | - | 60 | - | - | - |
| Total Marina Revenues | | | 2,140 | - | 531 | 350 | 185 | 185 | 185 |
| SURFACE WATER UTILITY | | | | | | | | | |
| 149 | Lower Massey Creek Channel Modification | 1,512 | 335 | 1,177 | - | - | - | - | - |
| 147 | Barnes Crk/Kent-Des Moines Rd Culvert | 1,878 | 304 | 241 | 178 | 1,155 | - | - | - |
| 151 | S. 251st Street Storm Outfall | 370 | - | 370 | - | - | - | - | - |
| 49 | Financial System Replacement | 30 | - | 15 | 15 | - | - | - | - |
| 155 | Pipe Replacement Program | 1,640 | - | - | 49 | 328 | 328 | 328 | 328 |
| 153 | 24th Ave Pipeline Replacement/Upgrade | 263 | - | - | 263 | - | - | - | - |
| 157 | 1st Ave Pond Expansion | 150 | - | - | - | 30 | 120 | - | - |
| 159 | 5th Ave/212th Street Pipe Upgrade | 815 | - | - | - | - | 815 | - | - |
| 161 | N. Fork McSorley Ck Diversion | 432 | - | - | - | - | - | 432 | - |
| 163 | 6th Ave/239th Pipe Replacement | 191 | - | - | - | - | - | 191 | - |
| 165 | 14th Ave (268th to 272nd) Pipe Upgrade | 478 | - | - | - | - | - | 478 | - |
| 167 | 216th Pl/ Marine View Dr. Pipe Upgrade | 309 | - | - | - | - | - | - | 309 |
| 169 | KDM /16th Avenue A Pipe Replacement | 272 | - | - | - | - | - | - | 272 |
| 171 | DMMD 208th to 212th Pipe Project | 603 | - | - | - | - | - | - | 603 |
| 173 | 8th Ave (264th to 265th) | 270 | - | - | - | - | - | - | 270 |
| 175 | KDM/16th Ave B Pipe Replacement | 880 | - | - | - | - | - | - | 880 |
| Total Surface Water Utility | | | 10,093 | - | 639 | 1,803 | 505 | 1,513 | 1,263 |
| FACILITY MAJOR MAINT/REPAIR | | | | | | | | | |
| 25 | Council Chambers Lighting | 25 | - | 25 | - | - | - | - | - |
| 23 | Field House Roof | 120 | - | 120 | - | - | - | - | - |
| 27 | LED Exterior Lighting | 34 | - | - | - | 34 | - | - | - |
| 29 | Founders' Lodge Exterior Paint | 90 | - | - | - | 90 | - | - | - |
| 33 | City Hall Canopy Repairs | 55 | - | - | - | - | 55 | - | - |
| 31 | Engineer Bldg Windows | 25 | - | - | - | - | 25 | - | - |
| 37 | PW Service Center Interior Painting | 60 | - | - | - | - | - | - | 60 |
| 39 | Field House Interior Paint | 35 | - | - | - | - | - | - | 35 |
| 45 | Activity Center Irrigation/Landscape | 65 | - | - | - | - | - | - | 65 |
| Total Facility Major Maint/Repair | | | 509 | - | 145 | - | 124 | 80 | - |
| | | | | | | | | | |

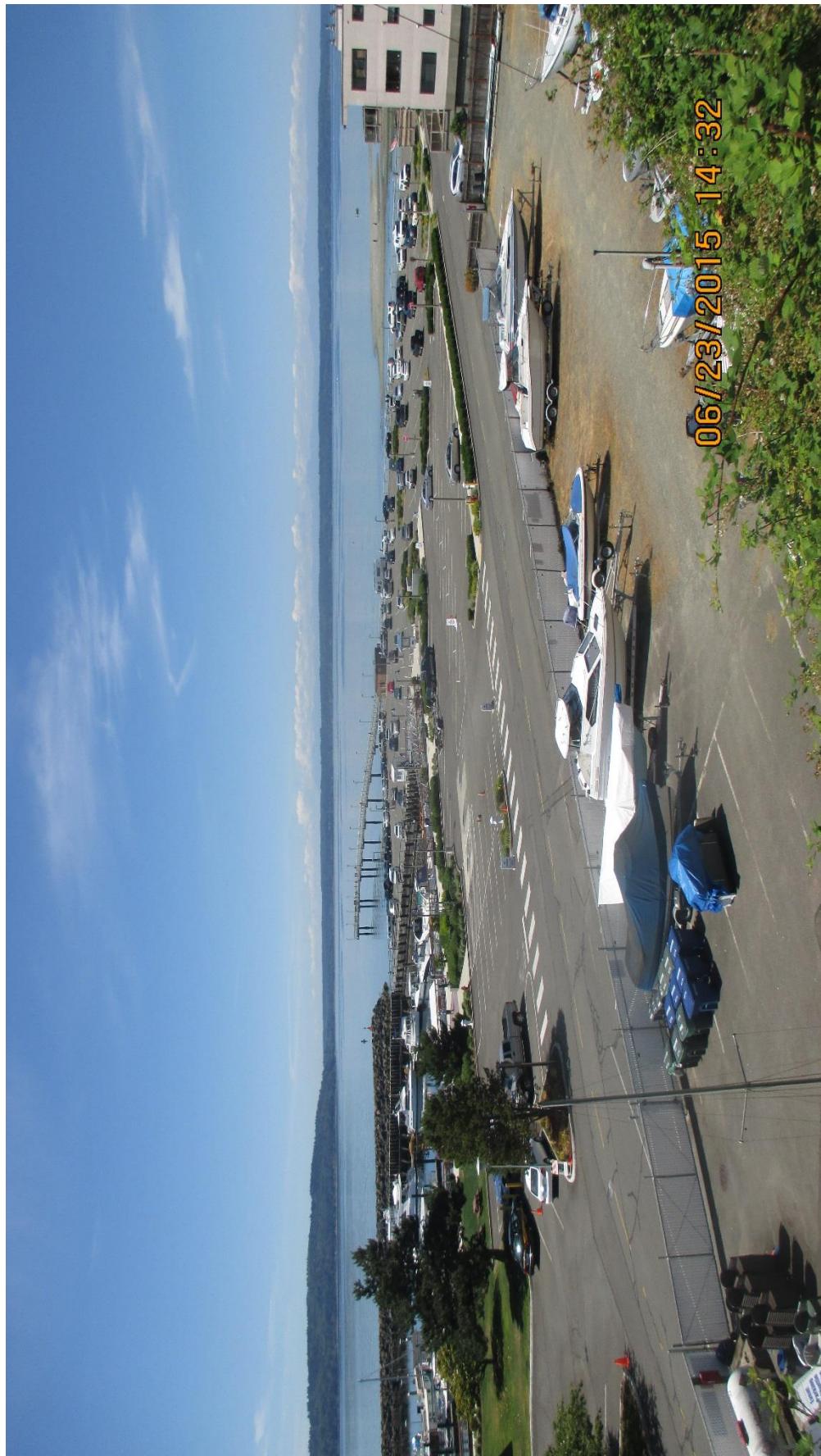
CITY OF DES MOINES
CIP REVENUE SOURCE SUMMARY: 2017-2022

(Amounts in Thousands)

| Page # | Project Name | Total Budget | Project to Date 12/31/15 | Sched Year 2016 | Plan Year 2017 | Plan Year 2018 | Plan Year 2019 | Plan Year 2020 | Plan Year 2021 | Plan Year 2022 | |
|--|---|--------------|--------------------------|-----------------|----------------|----------------|----------------|----------------|----------------|----------------|---------------|
| LOCAL GRANTS | | | | | | | | | | | |
| 99 | Barnes Creek Trail | 44 | 44 | - | - | - | - | - | - | - | |
| 97 | Gateway - S 216th Segment 1A | 30 | 7 | 23 | - | - | - | - | - | - | |
| 53 | Parkside Playground | 36 | 11 | 25 | - | - | - | - | - | - | |
| 149 | Lower Massey Creek Channel Modification | 396 | - | 396 | - | - | - | - | - | - | |
| 63 | DMBP Sun Home Lodge Rehab | 45 | - | - | - | 45 | - | - | - | - | |
| 157 | 1st Ave Pond Expansion | 235 | - | - | - | 30 | 205 | - | - | - | |
| 127 | South 240th Street Improve - Seg 1 | 3,380 | - | - | - | - | - | 365 | 3,015 | - | |
| 131 | Kent-Des Moines Rd - Seg 2 | 3,600 | - | - | - | - | - | - | 635 | 2,965 | |
| Total Local Grants | | | 7,766 | 62 | 444 | - | 75 | 205 | 365 | 3,650 | 2,965 |
| STATE GRANTS (Includes: TIB, RCO, CTED, etc.) | | | | | | | | | | | |
| 101 | Redondo Board Walk Replacement | 1,808 | 143 | 1,665 | - | - | - | - | - | - | |
| 97 | Gateway - S 216th Segment 1A | 3,692 | - | 3,692 | - | - | - | - | - | - | |
| 51 | BP Picnic Shelter/Restrooms | 293 | - | 293 | - | - | - | - | - | - | |
| 55 | Parkside Soil Remediation | 120 | - | 120 | - | - | - | - | - | - | |
| 121 | South 216th - Segment 3 | 3,009 | - | - | 135 | 426 | 2,448 | - | - | - | |
| 117 | S 200th St Safe Routes to School | 645 | - | - | 50 | 595 | - | - | - | - | |
| 115 | S 223rd Walkway Improvements | 161 | - | - | 15 | 146 | - | - | - | - | |
| 61 | Beach Park Promenade & Play Equip | 380 | - | - | - | - | 380 | - | - | - | |
| 119 | Marine View Dr Roundabout | 1,129 | - | - | - | 469 | 660 | - | - | - | |
| 63 | DMBP Sun Home Lodge Rehab | 572 | - | - | - | - | 572 | - | - | - | |
| 73 | Redondo Floats | 70 | - | - | - | - | 70 | - | - | - | |
| 75 | Redondo Fishing Pier Replace Decking | 158 | - | - | - | - | 158 | - | - | - | |
| 129 | South 240th Street Improve - Seg 2 | 1,750 | - | - | - | - | - | 200 | 1,550 | - | |
| 127 | South 240th Street Improve - Seg 1 | 2,670 | - | - | - | - | - | 370 | 2,300 | - | |
| 71 | SJU Irrig and Landscape | 60 | - | - | - | - | - | - | - | 60 | |
| 81 | Redondo Restroom & Plaza | 200 | - | - | - | - | - | - | - | 200 | |
| 131 | Kent-Des Moines Rd - Seg 2 | 3,000 | - | - | - | - | - | - | - | 3,000 | |
| 167 | North Bulkhead | 1,000 | - | - | - | - | - | - | - | 1,000 | |
| Total State Grants | | | 20,717 | 143 | 5,770 | 200 | 1,636 | 4,288 | 570 | 3,850 | 4,260 |
| FEDERAL GRANTS (Includes: STP, FMSIB, etc.) | | | | | | | | | | | |
| 95 | 24th Ave South Improvement | 3,000 | 3,000 | - | - | - | - | - | - | - | |
| 97 | Gateway - S 216th Segment 1A | 613 | 488 | 125 | - | - | - | - | - | - | |
| 99 | Barnes Creek Trail | 3,624 | 274 | 102 | - | - | - | 1,949 | 1,299 | - | |
| 101 | Redondo Board Walk Replacement | 2,387 | 285 | 2,102 | - | - | - | - | - | - | |
| 91 | SW Bridge Seismic Retrofit | 3,884 | 3,839 | 45 | - | - | - | - | - | - | |
| 53 | Parkside Playground | 395 | - | 395 | - | - | - | - | - | - | |
| 103 | South 268th Street Sidewalk | 431 | - | 431 | - | - | - | - | - | - | |
| 121 | South 216th - Segment 3 | 921 | - | - | - | - | 921 | - | - | - | |
| Total Federal Grants | | | 15,255 | 7,886 | 3,200 | - | 921 | 1,949 | 1,299 | - | |
| PRIVATE CONTRIBUTIONS | | | | | | | | | | | |
| 95 | 24th Ave South Improvement | 823 | 823 | - | - | - | - | - | - | - | |
| 97 | Gateway - S 216th Segment 1A | 115 | - | 115 | - | - | - | - | - | - | |
| 103 | South 268th Street Sidewalk | 85 | - | 85 | - | - | - | - | - | - | |
| 19 | I- 5 Signage | 60 | - | - | 60 | - | - | - | - | - | |
| 35 | Activity Center Exterior Paint | 53 | - | - | 53 | - | - | - | - | - | |
| 113 | Downtown Alley Improvement | 100 | - | - | - | 100 | - | - | - | - | |
| 129 | South 240th Street Improve - Seg 2 | 200 | - | - | - | - | - | 200 | - | - | |
| 127 | South 240th Street Improve - Seg 1 | 250 | - | - | - | - | - | - | 250 | - | |
| 131 | Kent-Des Moines Rd - Seg 2 | 250 | - | - | - | - | - | - | - | 250 | |
| Total Private Contributions | | | 1,936 | 823 | 200 | 113 | 100 | - | 200 | 250 | 250 |
| DEBT PROCEEDS | | | | | | | | | | | |
| 97 | Gateway - S 216th Segment 1A | 325 | 325 | - | - | - | - | - | - | - | |
| 95 | 24th Ave South Improvement | 330 | 330 | - | - | - | - | - | - | - | |
| Total Debt Proceeds | | | 655 | 655 | - | - | - | - | - | - | |
| TOTAL REVENUE SOURCES | | | 86,015 | 17,669 | 15,406 | 3,373 | 5,022 | 11,997 | 6,166 | 14,734 | 11,518 |

INDIVIDUAL PROJECT DETAIL

N. Lot Fishing Pier Paid Parking



CITY OF DES MOINES
2017 -2022 CAPITAL IMPROVEMENT PLAN
 (Amount in Thousands)

| | |
|----------------------------------|---------|
| N. Lot Fishing Pier Paid Parking | 310.403 |
|----------------------------------|---------|

CIP Category: Waterfront Facility Project

Managing Department: Marina

| <i>Summary Project Description:</i> | |
|--|--|
| Install a "Pay on Leaving" parking system in the north and south parking lots on the Marina floor. | |

Justification/Benefits: The parking lots on the Marina floor are used by thousands of people each year. They come from all over King County to enjoy the scenery, the beach, the park and the Des Moines Creek Trail. The parking lot is also used for parking, location of community events as well as overflow parking for the events held at the Beach Park facilities. Paid parking is an option to pay for the capital and maintenance requirements.

| <i>PROJECT SCOPE</i> | | <i>ANNUAL ALLOCATION</i> | | | | | | | |
|---------------------------|---------------------|------------------------------------|-------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| <i>Expenditures</i> | <i>Total Budget</i> | <i>Project to Date</i> 12/31/15 | <i>Scheduled Year</i> 2016 | <i>Plan Year</i> 2017 | <i>Plan Year</i> 2018 | <i>Plan Year</i> 2019 | <i>Plan Year</i> 2020 | <i>Plan Year</i> 2021 | <i>Plan Year</i> 2022 |
| Design | - | - | - | - | - | - | - | - | - |
| Land & Right of Way | - | - | - | - | - | - | - | - | - |
| Construction | 400 | - | 400 | - | - | - | - | - | - |
| Contingency | - | - | - | - | - | - | - | - | - |
| Total Expenditures | 400 | | | | | | | | |

| <i>Funding Sources</i> | | <i>Project to Date</i> 12/31/15 | <i>Scheduled Year</i> 2016 | <i>Plan Year</i> 2017 | <i>Plan Year</i> 2018 | <i>Plan Year</i> 2019 | <i>Plan Year</i> 2020 | <i>Plan Year</i> 2021 | <i>Plan Year</i> 2022 |
|------------------------|------------|------------------------------------|-------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| General Fund | 125 | - | 125 | - | - | - | - | - | - |
| REER 2 | 275 | - | 275 | - | - | - | - | - | - |
| Total Funding | 400 | | | | | | | | |

| <i>OPERATING IMPACT</i> | | | | | | | | | |
|-------------------------|---------------------|--------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|---|
| <i>Operating Impact</i> | | <i>ANNUAL OPERATING IMPACT</i> | | | | | | | |
| | <i>6 Year Total</i> | <i>2016</i> | <i>2017</i> | <i>2018</i> | <i>2019</i> | <i>2020</i> | <i>2021</i> | <i>2022</i> | |
| Revenue | - | - | - | - | - | - | - | - | - |
| Expenses | - | - | - | - | - | - | - | - | - |
| Net Impact | - | | | | | | | | |

I-5 Signage



CITY OF DES MOINES
2017 -2022 CAPITAL IMPROVEMENT PLAN
 (Amount in Thousands)

| | |
|--------------|-----|
| I- 5 Signage | 310 |
|--------------|-----|

Summary Project Description:

Install I-5 Signage (To The Beach) with Seattle Southside funding.

CIP Category: Economic Development & Tourism

Managing Department: Parks, Recr & Sr Services

Justification/Benefits: I-5 Signage needed to promote Des Moines as a destination with 212,000 daily vehicles.

| PROJECT SCOPE | | ANNUAL ALLOCATION | | | | |
|---------------------------|---------------------|---------------------------------|----------------------------|-----------------------|-----------------------|-----------------------|
| <i>Expenditures</i> | <i>Total Budget</i> | <i>Project to Date 12/31/15</i> | <i>Scheduled Year 2016</i> | <i>Plan Year 2017</i> | <i>Plan Year 2018</i> | <i>Plan Year 2019</i> |
| Design | - | - | - | - | - | - |
| Land & Right of Way | - | - | - | - | - | - |
| Construction | 60 | - | - | - | 60 | - |
| Contingency | - | - | - | - | - | - |
| Total Expenditures | 60 | | | | 60 | |

| Funding Sources | | ANNUAL ALLOCATION | | | | |
|------------------------|-----------------|-----------------------------|----------------------------|-----------------------|-----------------------|-----------------------|
| <i>Total Budget</i> | <i>12/31/15</i> | <i>Project to Date 2016</i> | <i>Scheduled Year 2017</i> | <i>Plan Year 2018</i> | <i>Plan Year 2019</i> | <i>Plan Year 2020</i> |
| Private Contributions | 60 | - | - | 60 | - | - |
| Total Funding | 60 | | | 60 | | |

| OPERATING IMPACT | | ANNUAL OPERATING IMPACT | | | | |
|-------------------------|---------------------|--------------------------------|-------------|-------------|-------------|-------------|
| <i>Operating Impact</i> | <i>6 Year Total</i> | <i>2016</i> | <i>2017</i> | <i>2018</i> | <i>2019</i> | <i>2020</i> |
| Revenue | - | - | - | - | - | - |
| Expenses | - | - | - | - | - | - |
| Net Impact | - | | | | | |

Redondo Paid Parking



CITY OF DES MOINES
2017 -2022 CAPITAL IMPROVEMENT PLAN
 (Amount in Thousands)

| | |
|----------------------|---------|
| Redondo Paid Parking | 319.610 |
|----------------------|---------|

CIP Category: Waterfront Facility Project

Managing Department: Marina

Summary Project Description:

Equip the Redondo parking lot with an automated pay parking system including gates, ticket dispensers and a pay station.

Justification/Benefits: Currently this lot operates a seasonal (June - September) "Pay & Display" parking system. This type of parking depends on regular enforcement to make it effective and fair to all who use the lot. Upgrading the lot to a "Pay on Leaving" system where a paid ticket is needed to exit the lot will cut enforcement costs and effectively make the lot a year round operation. Collecting fees all year would increase revenues to help pay for the year round costs of maintaining the facility.

PROJECT SCOPE

| | <i>Total Budget</i> | ANNUAL ALLOCATION | | | | | | |
|---------------------------|---------------------|------------------------|-----------------------|------------------|------------------|------------------|------------------|------------------|
| | | <i>Project to Date</i> | <i>Scheduled Year</i> | <i>Plan Year</i> |
| <i>Expenditures</i> | <i>12/31/15</i> | <i>2016</i> | <i>2017</i> | <i>2018</i> | <i>2019</i> | <i>2020</i> | <i>2021</i> | <i>2022</i> |
| Design | - | | | | | | | |
| Land & Right of Way | - | | | | | | | |
| Construction | 200 | - | - | 200 | | | | |
| Contingency | - | | | | | | | |
| Total Expenditures | 200 | | | | 200 | | | |

Funding Sources

| | <i>Total Budget</i> | ANNUAL ALLOCATION | | | | | | |
|----------------------------------|---------------------|------------------------|-----------------------|------------------|------------------|------------------|------------------|------------------|
| | | <i>Project to Date</i> | <i>Scheduled Year</i> | <i>Plan Year</i> |
| <i>Funding Sources</i> | <i>12/31/15</i> | <i>2016</i> | <i>2017</i> | <i>2018</i> | <i>2019</i> | <i>2020</i> | <i>2021</i> | <i>2022</i> |
| General Fund (One Time Revenues) | - | | | | | | | |
| REET 1 | 200 | - | - | 200 | | | | |
| Total Funding | 200 | | | 200 | | | | |

OPERATING IMPACT

| | <i>Operating Impact</i> | ANNUAL OPERATING IMPACT | | | | | |
|-------------------|-------------------------|-------------------------|-------------|-------------|-------------|-------------|-------------|
| | | <i>2016</i> | <i>2017</i> | <i>2018</i> | <i>2019</i> | <i>2020</i> | <i>2021</i> |
| Revenue | - | - | - | - | - | - | - |
| Expenses | - | - | - | - | - | - | - |
| Net Impact | - | | | | | | |

Fieldhouse Roof Replacement



CITY OF DES MOINES
2017 -2022 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

| | |
|------------------|---------|
| Field House Roof | 506.706 |
|------------------|---------|

Summary Project Description:

Install new roof with fall protection at the Field House.

CIP Category: Building Facility Project

Managing Department: Plan, Build & PW Admin

Justification/Benefits: The existing cedar shake roof is old, deteriorating and growing quite a bit of moss. The new roof is needed to prevent water intrusion into the building and further interior damage.

| PROJECT SCOPE | | ANNUAL ALLOCATION | | | | | |
|---------------------------|--------------|-------------------|----------------|-----------|------------|-----------|-----------|
| Expenditures | Total Budget | Project Date | Scheduled Year | Plan Year | Plan Year | Plan Year | Plan Year |
| Funding Sources | Total Budget | 12/31/15 | 2016 | 2017 | 2018 | 2019 | 2020 |
| Design | - | - | - | - | - | - | - |
| Land & Right of Way | - | - | - | - | - | - | - |
| Construction | - | - | - | - | - | - | - |
| Contingency | 120 | - | - | 120 | - | - | - |
| Total Expenditures | 120 | | | | 120 | | |
| CHIA | | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 |
| <i>Operating Impact</i> | | 6 Year Total | | | | | |
| Revenue | - | - | - | - | - | - | - |
| Expenses | - | - | - | - | - | - | - |
| Net Impact | - | | | | | | |
| <i>OPERATING IMPACT</i> | | | | | | | |

Council Chambers Lighting



CITY OF DES MOINES
2017 -2022 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

Council Chambers Lighting**506.704**

CIP Category: Building Facility Project

Managing Department: Plan, Build & PW Admin

Summary Project Description:

Improve lighting in Council Chambers.

Justification/Benefits: The new lighting is necessary now that the new video recording system has been installed. The new lighting will remove the shadowing on the speakers and Council members and will provide a better quality recording for viewers.

| PROJECT SCOPE | | ANNUAL ALLOCATION | | | | | | | |
|---------------------------|--------------|--------------------------|---------------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Expenditures | Total Budget | Project to Date 12/31/15 | Scheduled Year 2016 | Plan Year 2017 | Plan Year 2018 | Plan Year 2019 | Plan Year 2020 | Plan Year 2021 | Plan Year 2022 |
| Design | - | - | - | - | - | - | - | - | - |
| Land & Right of Way | - | - | - | - | - | - | - | - | - |
| Construction | 25 | - | - | 25 | - | - | - | - | - |
| Contingency | - | - | - | - | - | - | - | - | - |
| Total Expenditures | 25 | - | 25 | - | - | - | - | - | - |

| Funding Sources | | ANNUAL OPERATING IMPACT | | | | | | | |
|--------------------------------|-----------|-------------------------|-----------|----------|----------|----------|----------|----------|--|
| Total | | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | |
| Facility Repair & Replace Fund | 25 | - | - | - | - | - | - | - | |
| Total Funding | 25 | - | 25 | - | - | - | - | - | |

| OPERATING IMPACT | | ANNUAL OPERATING IMPACT | | | | | | | |
|-------------------|--------------|-------------------------|----------|----------|----------|----------|----------|----------|--|
| Operating Impact | 6 Year Total | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | |
| Revenue | - | - | - | - | - | - | - | - | |
| Expenses | - | - | - | - | - | - | - | - | |
| Net Impact | - | - | - | - | - | - | - | - | |

LED Exterior Lighting



**CITY OF DES MOINES
2017 -2022 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)**

LED Exterior Lighting **506.705**

CIP Category: Building Facility Project

Managing Department: Plan, Build & PW Admin

Justification/Benefits: This is both a maintenance and energy savings measure as well as a vandalism deterrent.

| | | <i>Summary Project Description:</i> | |
|-----------------|---------|-------------------------------------|---------|
| Activity Center | \$4,000 | SJU Park | \$2,100 |
| PW Service Ctr | \$7,200 | | |
| City Hall | \$9,100 | | |
| PW Engineering | \$2,750 | | |
| Police | \$5,200 | | |
| Field House | \$3,500 | | |

| | | <i>ANNUAL ALLOCATION</i> | | | |
|---------------------------|---------------------|--------------------------|-----------------------|------------------|------------------|
| <i>Expenditures</i> | <i>Total Budget</i> | <i>Project to Date</i> | <i>Scheduled Year</i> | <i>Plan Year</i> | <i>Plan Year</i> |
| | | 12/31/15 | 2016 | 2017 | 2018 |
| Design | 1 | - | - | 1 | |
| Land & Right of Way | - | - | - | - | |
| Construction | 30 | - | - | 30 | |
| Contingency | 3 | - | - | 3 | |
| Total Expenditures | 34 | - | - | 34 | - |

| | | <i>ANNUAL OPERATING IMPACT</i> | | | |
|-------------------------|---------------------|--------------------------------|-----------------------|------------------|------------------|
| <i>Operating Impact</i> | <i>6 Year Total</i> | <i>Project to Date</i> | <i>Scheduled Year</i> | <i>Plan Year</i> | <i>Plan Year</i> |
| | | 12/31/15 | 2016 | 2017 | 2018 |
| Revenue | - | - | - | - | - |
| Expenses | - | - | - | - | - |
| Total Funding | 34 | - | 34 | 34 | - |

| | | <i>ANNUAL OPERATING IMPACT</i> | | | |
|-------------------------|---------------------|--------------------------------|-----------------------|------------------|------------------|
| <i>Operating Impact</i> | <i>6 Year Total</i> | <i>Project to Date</i> | <i>Scheduled Year</i> | <i>Plan Year</i> | <i>Plan Year</i> |
| | | 12/31/15 | 2016 | 2017 | 2018 |
| Revenue | - | - | - | - | - |
| Expenses | - | - | - | - | - |
| Total Impact | - | - | - | - | - |

Founders' Lodge Exterior Paint



CITY OF DES MOINES
2017 -2022 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

| | |
|--------------------------------|-----|
| Founders' Lodge Exterior Paint | 506 |
|--------------------------------|-----|

CIP Category: Building Facility Project

Managing Department: Plan, Build & PW Admin

| | | <i>Summary Project Description:</i> | |
|---|--|-------------------------------------|--|
| Repair siding and paint the outside of the Founders' Lodge. | | | |

Justification/Benefits: The Founders' Lodge is a revenue producing city rental facility. The exterior paint is deteriorating due to the moist environment that causes moss and algae to grow on the siding and trim. Its current poorly maintained condition is not aesthetically appealing for users.

| <i>PROJECT SCOPE</i> | <i>ANNUAL ALLOCATION</i> | | | | | |
|---------------------------|---|--|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
| | <i>Project to Date</i> <i>Total Budget</i> | <i>Scheduled Year</i> <i>12/31/15</i> | <i>Plan Year</i> <i>2016</i> | <i>Plan Year</i> <i>2017</i> | <i>Plan Year</i> <i>2018</i> | <i>Plan Year</i> <i>2019</i> |
| Design | - | - | | | | |
| Land & Right of Way | - | - | | | | |
| Construction | 90 | - | | | 90 | |
| Contingency | - | - | | | | |
| Total Expenditures | 90 | | | | 90 | |

| <i>Funding Sources</i> | <i>ANNUAL OPERATING IMPACT</i> | | | | | |
|--------------------------------|---|--|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
| | <i>Project to Date</i> <i>Total Budget</i> | <i>Scheduled Year</i> <i>12/31/15</i> | <i>Plan Year</i> <i>2016</i> | <i>Plan Year</i> <i>2017</i> | <i>Plan Year</i> <i>2018</i> | <i>Plan Year</i> <i>2019</i> |
| Facility Repair & Replace Fund | 90 | - | | | 90 | |
| Total Funding | 90 | | | | 90 | |

| <i>OPERATING IMPACT</i> | <i>ANNUAL OPERATING IMPACT</i> | | | | | |
|-------------------------|--------------------------------|---------------------|-------------|-------------|-------------|-------------|
| | <i>Operating Impact</i> | <i>6 Year Total</i> | <i>2016</i> | <i>2017</i> | <i>2018</i> | <i>2019</i> |
| Revenue | - | - | | | | |
| Expenses | - | - | | | | |
| Net Impact | - | | | | | |

Engineer Bldg Windows



CITY OF DES MOINES
2017 -2022 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

| | |
|------------------------------|----------------|
| Engineer Bldg Windows | 506,200 |
|------------------------------|----------------|

CIP Category: Building Facility Project

Managing Department: Plan, Build & PW Admin

| | | <i>Summary Project Description:</i> | |
|--|--|-------------------------------------|--|
| Replace upstairs windows and Information Systems' windows. | | | |

Justification/Benefits: The existing single pane windows are not energy efficient and most do not have screens to keep the bugs out and some are extremely hard to open and close. New energy efficient windows would save on energy costs and prevent bugs from entering the building when opened.

| <i>PROJECT SCOPE</i> | | <i>ANNUAL ALLOCATION</i> | | | | | |
|---------------------------|---------------------|--------------------------|-----------------------|------------------|------------------|------------------|------------------|
| <i>Expenditures</i> | <i>Total Budget</i> | <i>Project to Date</i> | <i>Scheduled Year</i> | <i>Plan Year</i> | <i>Plan Year</i> | <i>Plan Year</i> | <i>Plan Year</i> |
| | | 12/31/15 | 2016 | 2017 | 2018 | 2019 | 2020 |
| Design | - | - | - | - | - | - | - |
| Land & Right of Way | - | - | - | - | - | - | - |
| Construction | 25 | - | - | - | - | - | 25 |
| Contingency | - | - | - | - | - | - | - |
| Total Expenditures | 25 | - | - | - | - | - | 25 |

| <i>Funding Sources</i> | | <i>ANNUAL ALLOCATION</i> | | | | | |
|--------------------------------|---|--------------------------|-----------------------|------------------|------------------|------------------|------------------|
| <i>Total Budget</i> | <i>Facility Repair & Replace Fund</i> | <i>Project to Date</i> | <i>Scheduled Year</i> | <i>Plan Year</i> | <i>Plan Year</i> | <i>Plan Year</i> | <i>Plan Year</i> |
| | | 12/31/15 | 2016 | 2017 | 2018 | 2019 | 2020 |
| Facility Repair & Replace Fund | 25 | - | - | - | - | - | 25 |
| Total Funding | 25 | - | - | - | - | - | 25 |

| <i>OPERATING IMPACT</i> | | <i>ANNUAL OPERATING IMPACT</i> | | | | | | |
|-------------------------|---------------------|--------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|
| <i>Operating Impact</i> | <i>6 Year Total</i> | <i>2016</i> | <i>2017</i> | <i>2018</i> | <i>2019</i> | <i>2020</i> | <i>2021</i> | <i>2022</i> |
| | | | | | | | | |
| Revenue | - | - | - | - | - | - | - | - |
| Expenses | - | - | - | - | - | - | - | - |
| Net Impact | - | - | - | - | - | - | - | - |

City Hall Canopy Repairs



CITY OF DES MOINES
2017 -2022 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

| | |
|--------------------------|-----|
| City Hall Canopy Repairs | 506 |
|--------------------------|-----|

CIP Category: Building Facility Project

Managing Department: Plan, Build & PW Admin

Summary Project Description:

Repair the structural timbers and steel beams to prevent further deterioration while maintaining the same aesthetic look of the walkway.

Justification/Benefits: The existing walkway canopy has structural defects in the wooden timbers.

| PROJECT SCOPE | | ANNUAL ALLOCATION | | | | | | | |
|---------------------------|--------------|--------------------------|---------------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Expenditures | Total Budget | Project to Date 12/31/15 | Scheduled Year 2016 | Plan Year 2017 | Plan Year 2018 | Plan Year 2019 | Plan Year 2020 | Plan Year 2021 | Plan Year 2022 |
| Design | 16 | - | | | | | 16 | | |
| Land & Right of Way | - | | | | | | | | |
| Construction | 34 | | | | | | | 34 | |
| Contingency | 5 | | | | | | | 5 | |
| Total Expenditures | 55 | | | | | | | 55 | |

| Funding Sources | | ANNUAL ALLOCATION | | | | | | | |
|-----------------|--------------------------------|--------------------------|---------------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Total Budget | Facility Repair & Replace Fund | Project to Date 12/31/15 | Scheduled Year 2016 | Plan Year 2017 | Plan Year 2018 | Plan Year 2019 | Plan Year 2020 | Plan Year 2021 | Plan Year 2022 |
| 55 | 55 | - | | | | | 55 | | |

| OPERATING IMPACT | | ANNUAL OPERATING IMPACT | | | | | | | |
|------------------|--------------|-------------------------|------|------|------|------|------|------|--|
| Operating Impact | 6 Year Total | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | |
| Revenue | - | - | - | - | - | - | - | - | |
| Expenses | - | - | - | - | - | - | - | - | |

Activity Center Exterior Paint



CITY OF DES MOINES
2017-2022 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

| | |
|--------------------------------|-----|
| Activity Center Exterior Paint | 506 |
|--------------------------------|-----|

CIP Category: Building Facility Project

Managing Department: Plan, Build & PW Admin

Summary Project Description:

Repair the top four foot section of the chimney exterior, replace some of the building's exterior siding and further paint the exterior painting of the Activity Center.

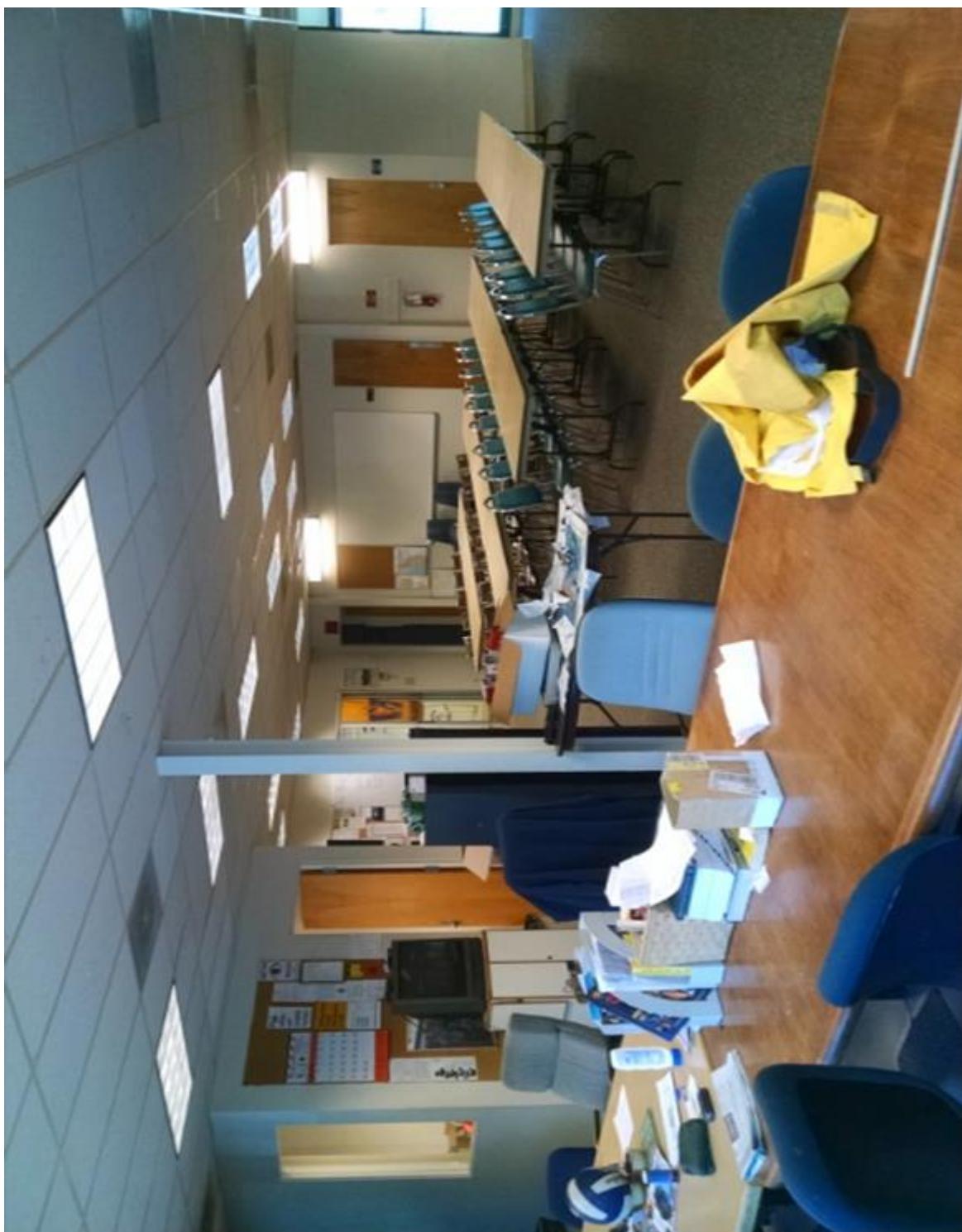
Justification/Benefits: The exterior paint is faded and flaking off in various places. New paint would enhance the look as well as prevent weather intrusion and further building element deterioration.

| PROJECT SCOPE | | ANNUAL ALLOCATION | | | | | |
|---------------------------|---------------------|--------------------------|------------------|------------------|------------------|------------------|------------------|
| <i>Expenditures</i> | <i>Total Budget</i> | <i>Scheduled Date</i> | <i>Plan Year</i> |
| Design | - | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
| Land & Right of Way | - | - | - | - | - | - | - |
| Construction | 30 | - | - | - | - | - | 30 |
| Contingency | - | - | - | - | - | - | - |
| Total Expenditures | 30 | - | - | - | - | - | 30 |

| Funding Sources | | ANNUAL OPERATING IMPACT | | | | | |
|--------------------------------|---------------------|--------------------------------|-------------|-------------|-------------|-------------|-------------|
| <i>Total Budget</i> | <i>6 Year Total</i> | <i>2016</i> | <i>2017</i> | <i>2018</i> | <i>2019</i> | <i>2020</i> | <i>2021</i> |
| Facility Repair & Replace Fund | 30 | - | - | - | - | - | - |
| Total Funding | 30 | - | - | - | - | - | 30 |

| OPERATING IMPACT | | ANNUAL OPERATING IMPACT | | | | | |
|-------------------------|---------------------|--------------------------------|-------------|-------------|-------------|-------------|-------------|
| <i>Operating Impact</i> | <i>6 Year Total</i> | <i>2016</i> | <i>2017</i> | <i>2018</i> | <i>2019</i> | <i>2020</i> | <i>2021</i> |
| Revenue | - | - | - | - | - | - | - |
| Expenses | - | - | - | - | - | - | - |
| Net Impact | - | - | - | - | - | - | - |

PW Service Center Interior Painting



CITY OF DES MOINES
2017-2022 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

| | |
|-------------------------------------|-----|
| PW Service Center Interior Painting | 506 |
|-------------------------------------|-----|

CIP Category: Building Facility Project

Managing Department: Plan, Build & PW Admin

Summary Project Description:

Paint the interior of the PW Service Center.

Justification/Benefits: It has been many years since the inside has been painted. New paint would improve the interior looks and make the building more presentable for the meetings and classes held there.

| | | ANNUAL ALLOCATION | | | | | |
|---------------------------|--------------|-------------------|----------------|-----------|-----------|-----------|-----------|
| | | Project to Date | Scheduled Year | Plan Year | Plan Year | Plan Year | Plan Year |
| | Total Budget | 12/31/15 | 2016 | 2017 | 2018 | 2019 | 2020 |
| Design | - | - | | | | | |
| Land & Right of Way | - | | | | | | |
| Construction | 60 | - | | | | | |
| Contingency | - | | | | | | |
| Total Expenditures | 60 | | | | | | |

| | | ANNUAL ALLOCATION | | | | | |
|--------------------------------|--------------|-------------------|----------------|-----------|-----------|-----------|-----------|
| | | Project to Date | Scheduled Year | Plan Year | Plan Year | Plan Year | Plan Year |
| | Total Budget | 12/31/15 | 2016 | 2017 | 2018 | 2019 | 2020 |
| Funding Sources | | | | | | | |
| Facility Repair & Replace Fund | 60 | | | | | | |
| Total Funding | 60 | | | | | | |

| | | ANNUAL OPERATING IMPACT | | | | | |
|--|--|-------------------------|--------------|----------|----------|----------|----------|
| | | Operating Impact | 6 Year Total | 2016 | 2017 | 2018 | 2019 |
| | | Revenue | - | - | - | - | - |
| | | Expenses | - | - | - | - | - |
| | | Net Impact | - | - | - | - | - |

Field House Interior Paint



CITY OF DES MOINES
2017 -2022 CAPITAL IMPROVEMENT PLAN
 (Amount in Thousands)

| | |
|----------------------------|-----|
| Field House Interior Paint | 506 |
|----------------------------|-----|

CIP Category: Building Facility Project

Managing Department: Plan, Build & PW Admin

| <i>Summary Project Description:</i> | |
|--------------------------------------|--|
| Paint the inside of the Field House. | |

Justification/Benefits: It has been some time since the last painting. This building is used quite heavily by the public. New paint would enhance the interior looks for renters and daily users.

| <i>PROJECT SCOPE</i> | |
|---------------------------|---------------------|
| <i>Expenditures</i> | <i>Total Budget</i> |
| Design | - |
| Land & Right of Way | - |
| Construction | 35 |
| Contingency | - |
| Total Expenditures | 35 |

| <i>ANNUAL ALLOCATION</i> | |
|--------------------------|-----------------------|
| <i>Project to Date</i> | <i>Scheduled Year</i> |
| 12/31/15 | 2016 |
| | 2017 |
| | 2018 |
| | 2019 |
| | 2020 |
| | 2021 |
| | 2022 |
| Design | - |
| Land & Right of Way | - |
| Construction | - |
| Contingency | - |
| Total | - |
| | 35 |

| <i>Funding Sources</i> | |
|--------------------------------|-----------|
| <i>Total Budget</i> | |
| Facility Repair & Replace Fund | 35 |
| Total Funding | 35 |

| <i>ANNUAL OPERATING IMPACT</i> | |
|--------------------------------|-------------|
| <i>2016</i> | <i>2017</i> |
| | <i>2018</i> |
| | <i>2019</i> |
| | <i>2020</i> |
| | <i>2021</i> |
| | <i>2022</i> |

| <i>OPERATING IMPACT</i> | |
|-------------------------|---------------------|
| <i>Operating Impact</i> | <i>6 Year Total</i> |
| Revenue | - |
| Expenses | - |
| | <i>Net Impact</i> |
| | - |

City Hall Generator



CITY OF DES MOINES
2017-2022 CAPITAL IMPROVEMENT PLAN
 (Amount in Thousands)

| | |
|----------------------------|------------|
| City Hall Generator | 310 |
|----------------------------|------------|

CIP Category: Building Facility Project

Managing Department: Plan, Build & PW Admin

Summary Project Description:

Install a new permanent 350 Kw optional standby generator behind Public Works Engineering to fully operate City Hall and Engineering (this includes the Mechanic Shop).

Justification/Benefits: The 2006 winter storm season was rather severe. City Hall and Engineering were not operational at times. This optional standby generator will help city staff perform their vital functions during emergency conditions and keep City Hall open to the public.

PROJECT SCOPE

| | ANNUAL ALLOCATION | | | | | |
|---------------------------|------------------------|-----------------------|------------------|------------------|------------------|------------------|
| | <i>Project to Date</i> | <i>Scheduled Year</i> | <i>Plan Year</i> | <i>Plan Year</i> | <i>Plan Year</i> | <i>Plan Year</i> |
| Total Budget | 12/31/15 | 2016 | 2017 | 2018 | 2019 | 2020 |
| Design | 24 | - | | | | |
| Land & Right of Way | - | - | | | | |
| Construction | 300 | - | | | | |
| Contingency | 41 | - | | | | |
| Total Expenditures | 365 | | | | | |
| | | | | | | |
| | | | | | | |

Funding Sources

| | ANNUAL OPERATING IMPACT | | | | | |
|-------------------------|-------------------------|-------------|-------------|-------------|-------------|-------------|
| | <i>2016</i> | <i>2017</i> | <i>2018</i> | <i>2019</i> | <i>2020</i> | <i>2021</i> |
| <i>Operating Impact</i> | | | | | | |
| Revenue | - | - | - | - | - | - |
| Expenses | - | - | - | - | - | - |
| Net Impact | - | - | - | - | - | - |

Police Dept Storage Building



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**CITY OF DES MOINES
2017-2022 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)**

| | |
|--|--|
| | |
| | |

CIP Category: Building Facility Project

Managing Department: Plan, Build & PW Admin

| <i>Summary Project Description:</i> | |
|--|--|
| Construction of a new building behind the existing City Shop and Engineering offices to store property seized by police actions. | |

Justification/Benefits: Police currently store their seized property in the warehouse behind the City Shop and Engineering offices. This causes other City equipment to be stored elsewhere. This new building will accommodate the PD needs and will allow for better usage of the existing storage building.

| <i>PROJECT SCOPE</i> | | <i>ANNUAL ALLOCATION</i> | | | | | | | |
|---------------------------|---------------------|---------------------------------|----------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| <i>Expenditures</i> | <i>Total Budget</i> | <i>Project to Date 12/31/15</i> | <i>Scheduled Year 2016</i> | <i>Plan Year 2017</i> | <i>Plan Year 2018</i> | <i>Plan Year 2019</i> | <i>Plan Year 2020</i> | <i>Plan Year 2021</i> | <i>Plan Year 2022</i> |
| Design | 60 | - | - | - | - | - | - | - | 60 |
| Land & Right of Way | - | - | - | - | - | - | - | - | - |
| Construction | 340 | - | - | - | - | - | - | - | 340 |
| Contingency | 45 | - | - | - | - | - | - | - | 45 |
| Total Expenditures | 445 | | | | | | | | 445 |

| <i>Funding Sources</i> | | <i>ANNUAL OPERATING IMPACT</i> | | | | | | | |
|------------------------|------------------|---------------------------------|----------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| <i>Total Budget</i> | <i>Year 2016</i> | <i>Project to Date 12/31/15</i> | <i>Scheduled Year 2016</i> | <i>Plan Year 2017</i> | <i>Plan Year 2018</i> | <i>Plan Year 2019</i> | <i>Plan Year 2020</i> | <i>Plan Year 2021</i> | <i>Plan Year 2022</i> |
| REET 1 | 445 | - | - | - | - | - | - | - | - |
| Total Funding | 445 | | | | | | | | 445 |

| <i>OPERATING IMPACT</i> | | <i>ANNUAL OPERATING IMPACT</i> | | | | | | |
|-------------------------|---------------------|--------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|
| <i>Operating Impact</i> | <i>6 Year Total</i> | <i>2016</i> | <i>2017</i> | <i>2018</i> | <i>2019</i> | <i>2020</i> | <i>2021</i> | <i>2022</i> |
| Revenue | - | - | - | - | - | - | - | - |
| Expenses | - | - | - | - | - | - | - | - |
| Net Impact | - | | | | | | | |

Activity Center Irrigation/Landscape



**CITY OF DES MOINES
2017-2022 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)**

Activity Center Irrigation/Landscape **310**

CIP Category: Building Facility Project

Managing Department: Plan, Build & PW Admin

Summary Project Description:

Irrigate and landscape the front lawn area between the building and South 216th Street.

Justification/Benefits: Now that South 216th has been improved and the Civic Readerboard is functional, irrigation and landscaping the front lawn area will make the facility more appealing to the public and potential renter groups.

PROJECT SCOPE

| <i>Expenditures</i> | ANNUAL ALLOCATION | | | | | |
|---------------------------|------------------------|-----------------------|------------------|------------------|------------------|------------------|
| | <i>Project to Date</i> | <i>Scheduled Year</i> | <i>Plan Year</i> | <i>Plan Year</i> | <i>Plan Year</i> | <i>Plan Year</i> |
| <i>Total Budget</i> | 12/31/15 | 2016 | 2017 | 2018 | 2019 | 2020 |
| Design | 9 | - | - | - | - | - |
| Land & Right of Way | - | - | - | - | - | - |
| Construction | 53 | - | - | - | - | - |
| Contingency | 3 | - | - | - | - | - |
| Total Expenditures | 65 | - | - | - | - | - |

Funding Sources

| <i>Total Budget</i> | ANNUAL ALLOCATION | | | | | |
|---|------------------------|-----------------------|------------------|------------------|------------------|------------------|
| | <i>Project to Date</i> | <i>Scheduled Year</i> | <i>Plan Year</i> | <i>Plan Year</i> | <i>Plan Year</i> | <i>Plan Year</i> |
| <i>Facility Repair & Replace Fund</i> | 12/31/15 | 2016 | 2017 | 2018 | 2019 | 2020 |
| Total Funding | 65 | - | - | - | - | - |

OPERATING IMPACT

| <i>Operating Impact</i> | ANNUAL OPERATING IMPACT | | | | | | |
|-------------------------|-------------------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | <i>Year Total</i> | <i>2017</i> | <i>2018</i> | <i>2019</i> | <i>2020</i> | <i>2021</i> | <i>2022</i> |
| Revenue | - | - | - | - | - | - | - |
| Expenses | - | - | - | - | - | - | - |
| Net Impact | - | - | - | - | - | - | - |

City Hall Parking Lot



CITY OF DES MOINES
2017-2022 CAPITAL IMPROVEMENT PLAN
 (Amount in Thousands)

| | |
|-----------------------|-----|
| City Hall Parking Lot | 310 |
|-----------------------|-----|

CIP Category: Building Facility Project

Managing Department: Plan, Build & PW Admin

Summary Project Description:

Rebuild Northwest, Southwest, Southern and Eastern City Hall parking lots. Provide ADA access to the lots. The existing Southern ecology block wall will be rebuilt prior to parking lot construction work.

Justification/Benefits: A design for these parking lots was completed in 2007. The results of the design were that an overlay that would be insufficient to solve the existing degradation. As a result, a total rebuild of these parking lots needs to take place. The Western parking lots, as well as ADA ramp retrofits, will be included.

| PROJECT SCOPE | | ANNUAL ALLOCATION | | |
|---------------------------|--------------|-------------------|----------------|-----------|
| Expenditures | Total Budget | Project to Date | Scheduled Year | Plan Year |
| | | 12/31/15 | 2016 | 2017 |
| Design | 30 | - | | |
| Land & Right of Way | - | | | |
| Construction | 206 | - | | |
| Contingency | 24 | - | | |
| Total Expenditures | 260 | | | |

| Funding Sources | | ANNUAL ALLOCATION | | |
|----------------------|------------|-------------------|----------------|-----------|
| Total Budget | | Project to Date | Scheduled Year | Plan Year |
| | | 12/31/15 | 2016 | 2017 |
| REET 1 | 260 | | | |
| Total Funding | 260 | | | |

| OPERATING IMPACT | | ANNUAL OPERATING IMPACT | | |
|-------------------|--------------|-------------------------|------|------|
| Operating Impact | 6 Year Total | 2016 | 2017 | 2018 |
| Revenue | - | - | - | - |
| Expenses | - | - | - | - |
| Net Impact | - | | | |

Financial System Replacement



CITY OF DES MOINES
2017 -2022 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

| | |
|-------------------------------------|----------------|
| Financial System Replacement | 310,514 |
|-------------------------------------|----------------|

CIP Category: Technology Project

Managing Department: Finance

Summary Project Description:

Replace the financial software and upgrade related server. Replacement system will be a fully integrated system containing general ledger, budgeting, payroll, accounts payable, accounts receivable, centralized cashiering and project accounting modules.

Justification/Benefits: The current financial system was purchased in 2002 and is reaching its technological end of life. The software provider has indicated it will not update the financial system to accommodate future operating system upgrades.

PROJECT SCOPE

| <i>Expenditures</i> | <i>Total Budget</i> | <i>Project to Date 12/31/15</i> | <i>Scheduled Year 2016</i> | <i>Plan Year 2017</i> | <i>Plan Year 2018</i> | <i>Plan Year 2019</i> | <i>Plan Year 2020</i> | <i>Plan Year 2021</i> | <i>Plan Year 2022</i> |
|---------------------------|---------------------|---------------------------------|----------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Design | 80 | - | 20 | 60 | | | | | |
| Land & Right of Way | - | - | | | | | | | |
| Construction | 165 | - | 80 | 85 | | | | | |
| Contingency | 7 | - | 1 | 6 | | | | | |
| Total Expenditures | 252 | - | 101 | 151 | - | - | - | - | - |

Funding Sources

| <i>Total Budget</i> | <i>Project to Date 12/31/15</i> | <i>Scheduled Year 2016</i> | <i>Plan Year 2017</i> | <i>Plan Year 2018</i> | <i>Plan Year 2019</i> | <i>Plan Year 2020</i> | <i>Plan Year 2021</i> | <i>Plan Year 2022</i> |
|---------------------------|---------------------------------|----------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Computer Replacement Fund | 192 | - | 71 | 121 | | | | |
| Marina Rates | 30 | - | 15 | 15 | | | | |
| Surface Water Utility | 30 | - | 15 | 15 | | | | |
| Total Funding | 252 | - | 101 | 151 | - | - | - | - |

OPERATING IMPACT

| <i>Operating Impact</i> | <i>6 Year Total</i> | <i>2016</i> | <i>2017</i> | <i>2018</i> | <i>2019</i> | <i>2020</i> | <i>2021</i> | <i>2022</i> |
|-------------------------|---------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Revenue | - | - | - | - | - | - | - | - |
| Expenses | - | - | - | - | - | - | - | - |
| Net Impact | - | - | - | - | - | - | - | - |

BP Picnic Shelter/Restrooms



CITY OF DES MOINES
2017 -2022 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

| | |
|-----------------------------|---------|
| BP Picnic Shelter/Restrooms | 310.061 |
|-----------------------------|---------|

CIP Category: Park Facility Projects

Managing Department: Parks, Recr & St. Services

Summary Project Description:

Rehabilitate the Picnic Shelter and Restroom including building a new stem wall, update mechanical, electrical and plumbing systems, fixtures, interior, exterior finishes and drainage to serve the high volume Beach Park and Des Moines Creek Trail Park users. The project is part of a multi-phased plan to rehabilitate the historic buildings. It is a high priority for the general public and for the full utilization of the Event Center to maximize rental revenues that are needed to sustain the park and its buildings.

Justification/Benefits: Des Moines Beach Park is listed on the State and National Historic Register. Expert analysis was completed in 2004 regarding the prioritized and phased rehabilitation of the park's assets. This project was rated as a priority one project in the 2010 - 2015 Parks, Recreation and Senior Services Master Plan.

| PROJECT SCOPE | | ANNUAL ALLOCATION | | | | | | | |
|---------------------------|--------------|--------------------------|---------------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Expenditures | Total Budget | Project to Date 12/31/15 | Scheduled Year 2016 | Plan Year 2017 | Plan Year 2018 | Plan Year 2019 | Plan Year 2020 | Plan Year 2021 | Plan Year 2022 |
| Design | 73 | 7 | 66 | | | | | | |
| Land & Right of Way | - | - | | | | | | | |
| Construction | 446 | - | 446 | | | | | | |
| Contingency | 104 | - | 104 | | | | | | |
| Total Expenditures | 623 | 7 | 616 | | | | | | |

| Funding Sources | | ANNUAL ALLOCATION | | | | | | | |
|----------------------------|--------------|--------------------------|---------------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Funding Sources | Total Budget | Project to Date 12/31/15 | Scheduled Year 2016 | Plan Year 2017 | Plan Year 2018 | Plan Year 2019 | Plan Year 2020 | Plan Year 2021 | Plan Year 2022 |
| REET 1 | 41 | | 171 | (54) | (54) | (22) | | | |
| King County Park Levy | 289 | 107 | 52 | 54 | 54 | 22 | | | |
| State of Washington Grants | 293 | | 293 | | | | | | |
| Total Funding | 623 | 107 | 516 | | | | | | |

| OPERATING IMPACT | | ANNUAL OPERATING IMPACT | | | | | |
|-------------------|--------------|-------------------------|----------|----------|----------|----------|----------|
| Operating Impact | 6 Year Total | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 |
| Revenue | - | - | - | - | - | - | - |
| Expenses | - | - | - | - | - | - | - |
| Net Impact | - | - | - | - | - | - | - |

Parkside Playground



**CITY OF DES MOINES
2017 -2022 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)**

| | |
|---------------------|---------|
| Parkside Playground | 310,062 |
|---------------------|---------|

CIP Category: Park Facility Projects

Managing Department: Parks, Recr & Sr Services

Justification/Benefits:

Summary Project Description:

Redesign and upgrades to this park -- new paths, play equipment, sport court upgrades.

PROJECT SCOPE

| Expenditures | Total Budget |
|---------------------------|--------------|
| Design | 103 |
| Land & Right of Way | - |
| Construction | 280 |
| Contingency | 58 |
| Total Expenditures | 441 |

ANNUAL ALLOCATION

| Project to Date 12/31/15 | Scheduled Year 2016 | Plan Year 2017 | Plan Year 2018 | Plan Year 2019 | Plan Year 2020 | Plan Year 2021 | Plan Year 2022 |
|--------------------------|---------------------|----------------|----------------|----------------|----------------|----------------|----------------|
| 7 | 96 | | | | | | |
| - | | | | | | | |
| 12 | 268 | | | | | | |
| - | 58 | | | | | | |
| 19 | 422 | | | | | | |

Funding Sources

| Funding Sources | Total Budget |
|-----------------------------|--------------|
| REFI 2 | 10 |
| Local Grants (County, etc.) | 36 |
| Federal Grants | 395 |
| Total Funding | 441 |

ANNUAL OPERATING IMPACT

| Operating Impact | 6 Year Total | ANNUAL OPERATING IMPACT | | | | | |
|-------------------|--------------|-------------------------|------|------|------|------|------|
| | | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
| Revenue | - | - | - | - | - | - | - |
| Expenses | - | - | - | - | - | - | - |
| Net Impact | - | | | | | | |

Parkside Soil Remediation



CITY OF DES MOINES
2017 -2022 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

| | |
|---------------------------|---------|
| Parkside Soil Remediation | 310.065 |
|---------------------------|---------|

CIP Category: Park Facility Projects

Managing Department: Parks, Recr & Sr Services

Justification/Benefits:

| <i>Summary Project Description:</i> | |
|---|--|
| Removal of contaminated soils and replacement with new clean soils as part of the Parksides Playground project. | |

| <i>PROJECT SCOPE</i> | | <i>ANNUAL ALLOCATION</i> | | | | | |
|---------------------------|---------------------|--------------------------|------------------|------------------|------------------|------------------|------------------|
| <i>Expenditures</i> | <i>Total Budget</i> | <i>Scheduled Year</i> | <i>Plan Year</i> | <i>Plan Year</i> | <i>Plan Year</i> | <i>Plan Year</i> | <i>Plan Year</i> |
| | | 12/31/15 | 2016 | 2017 | 2018 | 2019 | 2020 |
| Design | - | | | | | | |
| Land & Right of Way | - | | | | | | |
| Construction | 115 | | | 115 | | | |
| Contingency | 6 | | | 6 | | | |
| Total Expenditures | 121 | - | 121 | - | - | - | - |

| <i>Funding Sources</i> | | <i>ANNUAL OPERATING IMPACT</i> | | | | | |
|----------------------------|-------------|--------------------------------|-------------|-------------|-------------|-------------|-------------|
| <i>Total Budget</i> | <i>Year</i> | <i>2017</i> | <i>2018</i> | <i>2019</i> | <i>2020</i> | <i>2021</i> | <i>2022</i> |
| REET 2 | 1 | - | - | - | - | - | - |
| State of Washington Grants | 120 | | 120 | | | | |
| Total Funding | 121 | - | 121 | - | - | - | - |

| <i>OPERATING IMPACT</i> | | <i>ANNUAL OPERATING IMPACT</i> | | | | | |
|-------------------------|---------------------|--------------------------------|-------------|-------------|-------------|-------------|-------------|
| <i>Operating Impact</i> | <i>6 Year Total</i> | <i>2017</i> | <i>2018</i> | <i>2019</i> | <i>2020</i> | <i>2021</i> | <i>2022</i> |
| Revenue | - | - | - | - | - | - | - |
| Expenses | - | - | - | - | - | - | - |
| Net Impact | - | - | - | - | - | - | - |

Field House Tennis Court



CITY OF DES MOINES
2017 -2022 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

| | |
|--------------------------|-----|
| Field House Tennis Court | 310 |
|--------------------------|-----|

Summary Project Description:

Repaint the tennis court at the Field House.

CIP Category: Park Facility Projects

Managing Department: Parks, Recr & Sr Services

Justification/Benefits: The court was last painted approximately 15 years ago.

PROJECT SCOPE

| Expenditures | Total Budget | Project to Date 12/31/15 | | | Plan Year 2016 | | | Plan Year 2017 | | | Plan Year 2018 | | | Plan Year 2019 | | | ANNUAL ALLOCATION | | |
|---------------------------|--------------|--------------------------|-----------|----------|----------------|----------|-----------|----------------|----------|-----------|----------------|-----------|----------|----------------|----------|-----------|-------------------|--|--|
| | | Scheduled Year | Plan Year | Year | Plan Year | Year | Plan Year | Plan Year | Year | Plan Year | Year | Plan Year | Year | Plan Year | Year | Plan Year | Year | | |
| Design | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| Land & Right of Way | 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| Construction | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| Contingency | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| Total Expenditures | 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |

Funding Sources

| Funding Sources | Total Budget | Project to Date 12/31/15 | | | Plan Year 2016 | | | Plan Year 2017 | | | Plan Year 2018 | | | Plan Year 2019 | | | ANNUAL ALLOCATION | | |
|----------------------|--------------|--------------------------|-----------|----------|----------------|----------|-----------|----------------|-----------|----------|----------------|----------|-----------|----------------|-----------|----------|-------------------|------|--|
| | | Scheduled Year | Plan Year | Year | Plan Year | Year | Plan Year | Year | Plan Year | Year | Plan Year | Year | Plan Year | Year | Plan Year | Year | Plan Year | Year | |
| REET 1 | 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| Total Funding | 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |

OPERATING IMPACT

| Operating Impact | 6 Year Total | 2016 | | | 2017 | | | 2018 | | | 2019 | | | 2020 | | | 2021 | | | 2022 | | |
|------------------|--------------|---------|----------|------------|---------|----------|------------|---------|----------|------------|---------|----------|------------|---------|----------|------------|---------|----------|------------|------|--|--|
| | | Revenue | Expenses | Net Impact | | | |
| Revenue | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | |
| Expenses | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | |

Wooton Park



**CITY OF DES MOINES
2017 -2022 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)**

| | |
|-------------|-----|
| Wooton Park | 310 |
|-------------|-----|

CIP Category: Park Facility Projects

Managing Department: Parks, Recr & Sr Services

Summary Project Description:

Replace play equipment and picnic shelter. The park's play equipment is over 25 years old, outdated and replacement parts are not available. The park was assessed in 2008 as part of the 2010 Master Plan update. Findings identified that the play equipment needed replacement, the wooden gazebo was not sturdy and needs to be removed or replaced, the site furnishings need to be upgraded and the pathways need refurbishing.

Justification/Benefits: Wooton Park was transferred to the City from King County due to annexation in 1997. Wooton Park is the park facility serving the Redondo neighborhood of 1,600 and thousands of visitors annually. This project was a number one project in the 2010 - 2015 Parks, Recreation and Senior Services Master Plan.

| PROJECT SCOPE | | ANNUAL ALLOCATION | | | | | | | |
|---------------------------|--------------|--------------------------|---------------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Expenditures | Total Budget | Project to Date 12/31/15 | Scheduled Year 2016 | Plan Year 2017 | Plan Year 2018 | Plan Year 2019 | Plan Year 2020 | Plan Year 2021 | Plan Year 2022 |
| Design | 15 | - | - | 15 | | | | | |
| Land & Right of Way | - | - | - | - | - | - | - | - | - |
| Construction | 195 | - | - | 125 | | | | 70 | |
| Contingency | 24 | - | - | 15 | | | | 9 | |
| Total Expenditures | 234 | - | - | 155 | | | | 79 | |

| Funding Sources | | ANNUAL OPERATING IMPACT | | | | | | | |
|----------------------|------------|--------------------------|---------------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Total Budget | Year Total | Project to Date 12/31/15 | Scheduled Year 2016 | Plan Year 2017 | Plan Year 2018 | Plan Year 2019 | Plan Year 2020 | Plan Year 2021 | Plan Year 2022 |
| REET 2 | 234 | - | - | 155 | | | | 79 | |
| Total Funding | 234 | - | - | 155 | | | | 79 | |

| OPERATING IMPACT | | ANNUAL OPERATING IMPACT | | | | | | |
|-------------------|--------------|-------------------------|----------|----------|----------|----------|----------|----------|
| Operating Impact | 6 Year Total | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 |
| Revenue | - | - | - | - | - | - | - | - |
| Expenses | - | - | - | - | - | - | - | - |
| Net Impact | - | - | - | - | - | - | - | - |

Beach Park Promenade & Play Equipment



CITY OF DES MOINES
2017 -2022 CAPITAL IMPROVEMENT PLAN
 (Amount in Thousands)

| | |
|-----------------------------------|-----|
| Beach Park Promenade & Play Equip | 310 |
|-----------------------------------|-----|

CIP Category: Park Facility Projects

Managing Department: Parks, Recr & Sr Services

Justification/Benefits: It is a high priority for the general public and for destination tourism for the full utilization of and access to the waterfront. These facilities will help to maximize revenues that are needed to sustain the Beach Park and its historic resources.

| PROJECT SCOPE | | ANNUAL ALLOCATION | | | | | | | |
|---------------------------|---------------------|-----------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| <i>Expenditures</i> | <i>Total Budget</i> | <i>Scheduled Year</i> 12/31/15 | <i>Plan Year</i> 2016 | <i>Plan Year</i> 2017 | <i>Plan Year</i> 2018 | <i>Plan Year</i> 2019 | <i>Plan Year</i> 2020 | <i>Plan Year</i> 2021 | <i>Plan Year</i> 2022 |
| Design | 30 | - | | | 30 | | | | |
| Land & Right of Way | - | | | | | | | | |
| Construction | 700 | - | | | | 700 | | | |
| Contingency | 30 | - | | | | 30 | | | |
| Total Expenditures | 760 | | | | | | 760 | | |

| Funding Sources | | ANNUAL OPERATING IMPACT | | | | | | | |
|--|-------------------|--------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|--|
| <i>Total Budget</i> | <i>Year Total</i> | <i>2016</i> | <i>2017</i> | <i>2018</i> | <i>2019</i> | <i>2020</i> | <i>2021</i> | <i>2022</i> | |
| Park in-Lieu | 380 | - | | | | | | | |
| State of Washington Grants (Unconfirmed) | 380 | | | | 380 | | | | |
| Total Funding | 760 | | | | | 760 | | | |

| OPERATING IMPACT | | ANNUAL OPERATING IMPACT | | | | | | | |
|-------------------------|---------------------|--------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|--|
| <i>Operating Impact</i> | <i>6 Year Total</i> | <i>2016</i> | <i>2017</i> | <i>2018</i> | <i>2019</i> | <i>2020</i> | <i>2021</i> | <i>2022</i> | |
| Revenue | - | - | - | - | - | - | - | - | |
| Expenses | - | - | - | - | - | - | - | - | |

DMBP Sun Home Lodge Rehab



**CITY OF DES MOINES
2017 -2022 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)**

DMBP Sun Home Lodge Rehab

310.056

CIP Category: Park Facility Projects

Managing Department: Parks, Recr & Sr Services

Summary Project Description:

Rehabilitation of the Sun Home Lodge for its continued use as a recreation facility. Will include lifting the building, connecting new utilities (electrical, gas, phone, cable, water and sewer), constructing a new foundation, decking, exterior stairway and minor interior improvements. Additional interior building remodel work would be completed in future phases. This project relies on funding support from King County and Washington State. \$459K previously expended Picnic Shelter/Restroom funds will provide additional match for the project.

Justification/Benefits: King County has just announced that it will provide up to \$20M bonds for the rehabilitation of historic properties. These funds and past Beach Park expenditures could provide match for a Washington Heritage Capital Grant to lift and construct a new foundation for the Sun Home Lodge.

The Sun Home Lodge is in desperate need of life and safety repairs for its continued use as a recreation facility. Funds available will not provide for major interior remodel work. The Des Moines Beach Park is listed on the State and National Historic Register.

| PROJECT SCOPE | | ANNUAL ALLOCATION | | | | | |
|---------------------------|---------------------|--------------------------|------------------|------------------|------------------|------------------|------------------|
| <i>Funding Sources</i> | <i>Total Budget</i> | <i>Scheduled Date</i> | <i>Plan Year</i> |
| | | 12/31/15 | 2016 | 2017 | 2018 | 2019 | 2020 |
| Design | 65 | | | | | 45 | 20 |
| Land & Right of Way | 485 | | | | | | 485 |
| Construction | - | | | | | | |
| Contingency | 67 | | | | | | 67 |
| Total Expenditures | 617 | | | | | 45 | 572 |

| Funding Sources | | ANNUAL ALLOCATION | | | | | |
|--|---------------------|--------------------------|------------------|------------------|------------------|------------------|------------------|
| <i>Operating Impact</i> | <i>6 Year Total</i> | <i>Scheduled Date</i> | <i>Plan Year</i> |
| | | 12/31/15 | 2016 | 2017 | 2018 | 2019 | 2020 |
| Local Grants (County, etc.) | 45 | | | | | | |
| State of Washington Grants (Unconfirmed) | 572 | | | | | | |
| Total Funding | 617 | | | | | 45 | 572 |

| ANNUAL OPERATING IMPACT | | | | | | | |
|--------------------------------|----------------|-----------------|-------------------|-------------|-------------|-------------|-------------|
| | <i>Revenue</i> | <i>Expenses</i> | <i>Net Impact</i> | <i>2016</i> | <i>2017</i> | <i>2018</i> | <i>2019</i> |
| Revenue | - | - | - | - | - | - | - |
| Expenses | - | - | - | - | - | - | - |

Field House Play Equipment



CITY OF DES MOINES
2017 -2022 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

| | |
|----------------------------|-----|
| Field House Play Equipment | 310 |
|----------------------------|-----|

CIP Category: Park Facility Projects

Managing Department: Parks, Recr & St. Services

Justification/Benefits: Existing play structure is now over 20 years old and a safety hazard.

Summary Project Description:

Replace the existing playground equipment, which is over 20 years old, excluding the pirate ship play structure.

PROJECT SCOPE

| Expenditures | ANNUAL ALLOCATION | | | | |
|---------------------------|-----------------------------|------------------------|-------------------|-------------------|-------------------|
| | Project to Date 12/31/15 | Scheduled Year 2016 | Plan Year 2017 | Plan Year 2018 | Plan Year 2019 |
| Design | - | - | - | - | - |
| Land & Right of Way | - | - | - | - | - |
| Construction | 70 | - | - | - | 70 |
| Contingency | 7 | - | - | - | 7 |
| Total Expenditures | 77 | - | - | - | 77 |

ANNUAL ALLOCATION

| Funding Sources | ANNUAL ALLOCATION | | | | |
|----------------------|-----------------------------|------------------------|-------------------|-------------------|-------------------|
| | Project to Date 12/31/15 | Scheduled Year 2016 | Plan Year 2017 | Plan Year 2018 | Plan Year 2019 |
| REET 2 | 77 | - | - | - | 77 |
| Total Funding | 77 | - | - | - | 77 |

ANNUAL ALLOCATION

| Operating Impact | ANNUAL OPERATING IMPACT | | | | |
|-------------------|-------------------------|----------|----------|----------|----------|
| | 2016 | 2017 | 2018 | 2019 | 2020 |
| Revenue | - | - | - | - | - |
| Expenses | - | - | - | - | - |
| Net Impact | - | - | - | - | - |

ANNUAL OPERATING IMPACT

Westwood Play Equipment



CITY OF DES MOINES
2017 -2022 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

| | |
|-------------------------|-----|
| Westwood Play Equipment | 310 |
|-------------------------|-----|

CIP Category: Park Facility Projects

Managing Department: Parks, Recr & Sr Services

Summary Project Description:

Replace the wooden play structure for safety reasons due to age and wood structure deterioration. Park renovation will include ADA compliance, picnic table and bench replacement.

Justification/Benefits: The wooden play structure needs to be replaced due to age and deterioration. Westwood Park was constructed by a developer in the early 2000's. The wooden play equipment is over 15 years old and becoming a safety hazard. The installation of new equipment will require meeting new ADA access requirements. Westwood Park is one of two small parks that serve the North Hill population of 5,100 residents.

PROJECT SCOPE

| Expenditures | Total Budget | Project to Date 12/31/15 | | | Plan Year 2016 | | | Plan Year 2017 | | | Plan Year 2018 | | | Plan Year 2019 | | | Plan Year 2020 | | | Plan Year 2021 | | | Plan Year 2022 | | |
|---------------------------|--------------|--------------------------|------|------|----------------|------|------|----------------|------|------|----------------|------|------|----------------|------|------|----------------|------|------|----------------|------|------|----------------|------|------|
| | | Scheduled Year | Year | Year | Plan Year | Year | Year | Plan Year | Year | Year | Plan Year | Year | Year | Plan Year | Year | Year | Plan Year | Year | Year | Plan Year | Year | Year | Plan Year | Year | Year |
| Design | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Land & Right of Way | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Construction | 65 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Contingency | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Expenditures | 68 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

Funding Sources

| Funding Sources | Total Budget | Project to Date 12/31/15 | | | Plan Year 2016 | | | Plan Year 2017 | | | Plan Year 2018 | | | Plan Year 2019 | | | Plan Year 2020 | | | Plan Year 2021 | | | Plan Year 2022 | | |
|----------------------|--------------|--------------------------|------|------|----------------|------|------|----------------|------|------|----------------|------|------|----------------|------|------|----------------|------|------|----------------|------|------|----------------|------|------|
| | | Scheduled Year | Year | Year | Plan Year | Year | Year | Plan Year | Year | Year | Plan Year | Year | Year | Plan Year | Year | Year | Plan Year | Year | Year | Plan Year | Year | Year | Plan Year | Year | Year |
| REET 2 | 68 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Funding | 68 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

OPERATING IMPACT

| Operating Impact | 6 Year Total | Annual Operating Impact | | | 2016 | | | 2017 | | | 2018 | | | 2019 | | | 2020 | | | 2021 | | | 2022 | | |
|------------------|--------------|-------------------------|----------|------------|------|---|---|------|---|---|------|---|---|------|---|---|------|---|---|------|---|---|------|---|---|
| | | Revenue | Expenses | Net Impact | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Revenue | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Expenses | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |

Water Tower Park Play Equipment



**CITY OF DES MOINES
2016 -2021 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)**

Water Tower Park Play Equipment

CIP Category: Park Facility Projects

Managing Department: Parks, Recr & Sr Services

Justification/Benefits: The existing equipment was purchased and installed by the Des Moines Rotary Club in 1998. The typical life cycle of play equipment is 15-20 years.

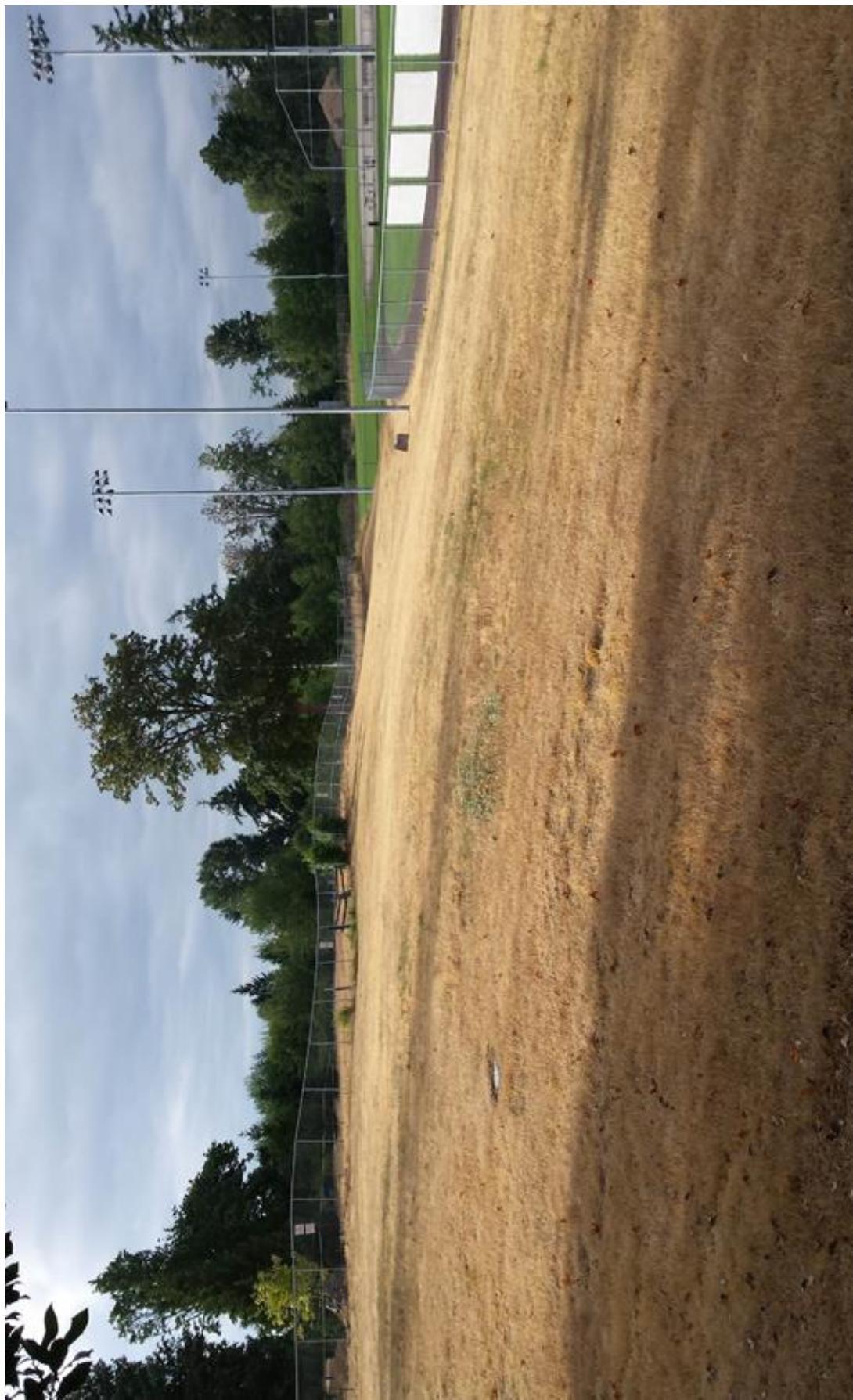
PROJECT SCOPE

| | ANNUAL ALLOCATION | | | | | |
|---------------------------|-----------------------------|------------------------|-------------------|-------------------|-------------------|-------------------|
| | Project to Date 12/31/15 | Scheduled Year 2016 | Plan Year 2017 | Plan Year 2018 | Plan Year 2019 | Plan Year 2020 |
| Expenditures | | | | | | |
| Total Budget | | | | | | |
| Design | - | | | | | |
| Land & Right of Way | - | | | | | |
| Construction | 75 | | | | | |
| Contingency | 5 | | | | | |
| Total Expenditures | 80 | | | | | |
| | | | | | | |

Funding Sources

| | ANNUAL OPERATING IMPACT | | | | | |
|-------------------------|-------------------------|------|------|------|------|------|
| | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
| Operating Impact | 6 Year Total | | | | | |
| Revenue | - | - | - | - | - | - |
| Expenses | - | - | - | - | - | - |
| Total Funding | 80 | | | | | |
| | | | | | | |

SJU Irrig and Landscape



CITY OF DES MOINES
2017-2022 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

| | |
|-------------------------|-----|
| SIU Irrig and Landscape | 310 |
|-------------------------|-----|

CIP Category: Park Facility Projects

Managing Department: Parks, Recr & Sr Services

Justification/Benefits: Steven J Underwood Park is a top priority Community Park which has heavy family use.

| <i>Summary Project Description:</i> | |
|--|--|
| Replace irrigation and add landscaping at one of the city's premier Community Parks. | |

| <i>PROJECT SCOPE</i> | | <i>ANNUAL ALLOCATION</i> | | | | | |
|---------------------------|---------------------|--------------------------|------------------|------------------|------------------|------------------|------------------|
| <i>Expenditures</i> | <i>Total Budget</i> | <i>Scheduled Year</i> | <i>Plan Year</i> | <i>Plan Year</i> | <i>Plan Year</i> | <i>Plan Year</i> | <i>Plan Year</i> |
| Design | 40 | - | | | | | 40 |
| Land & Right of Way | - | | | | | | |
| Construction | 145 | - | | | | | 145 |
| Contingency | 20 | - | | | | | 20 |
| Total Expenditures | 205 | | | | | | |

| <i>Funding Sources</i> | <i>Total Budget</i> | <i>Plan Year</i> |
|--|---------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| REET 1 | - | | | | | | |
| REET 2 | 145 | | | | | | 145 |
| State of Washington Grants (Unconfirmed) | 60 | | | | | | 60 |
| Total Funding | 205 | | | | | | |

| <i>OPERATING IMPACT</i> | | <i>ANNUAL OPERATING IMPACT</i> | | | | | |
|-------------------------|---------------------|--------------------------------|-------------|-------------|-------------|-------------|-------------|
| <i>Operating Impact</i> | <i>6 Year Total</i> | <i>2017</i> | <i>2018</i> | <i>2019</i> | <i>2020</i> | <i>2021</i> | <i>2022</i> |
| Revenue | - | - | - | - | - | - | - |
| Expenses | - | - | - | - | - | - | - |
| Net Impact | - | | | | | | |

Redondo Floats



CITY OF DES MOINES
2017-2022 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

| | |
|-----------------------|------------|
| Redondo Floats | 310 |
|-----------------------|------------|

CIP Category: Waterfront Facility Project

Managing Department: Marina

Summary Project Description:

Replace the last of the old floats. Demolish the old concrete brow and replace with a new one that would accommodate the new floats and increase the width of the ramp by 3 feet. Replace all the pile hoops with a better design and clean up rock revetment on both sides of the ramp.

Justification/Benefits: The Marina staff has been building new boarding floats for the Redondo Boat Launching Ramp for several years, replacing one or two a year.

The new floats replace the original floats that were built in 1980. There is one more old float to replace, but it will also be necessary to remove and replace the concrete brow that anchors the floats to the shore because the new floats are narrower than the original floats. The new floats were designed to be narrower than the original floats in order to increase the width of the ramp to a true two lane launching ramp.

| | | ANNUAL ALLOCATION | | | | | |
|---------------------------|------------|-------------------|----------------|-----------|-----------|-----------|-----------|
| | | Project to Date | Scheduled Year | Plan Year | Plan Year | Plan Year | Plan Year |
| Expenditures | | Total Budget | 12/31/15 | 2016 | 2017 | 2018 | 2019 |
| Design | - | - | - | - | - | - | - |
| Land & Right of Way | - | - | - | - | - | - | - |
| Construction | 100 | - | - | - | - | - | - |
| Contingency | 10 | - | - | - | - | - | - |
| Total Expenditures | 110 | | | | | | |

| | | ANNUAL ALLOCATION | | | | | |
|--|------------|-------------------|----------------|-----------|-----------|-----------|-----------|
| | | Project to Date | Scheduled Year | Plan Year | Plan Year | Plan Year | Plan Year |
| Funding Sources | | Total Budget | 12/31/15 | 2016 | 2017 | 2018 | 2019 |
| REET 2 | 40 | - | - | - | - | - | - |
| State of Washington Grants (Unconfirmed) | 70 | - | - | - | - | - | - |
| Total Funding | 110 | | | | | | |

| | | ANNUAL OPERATING IMPACT | | | | | |
|-------------------|----------|-------------------------|--------------|------|------|------|------|
| | | Operating Impact | 6 Year Total | 2016 | 2017 | 2018 | 2019 |
| Revenue | - | - | - | - | - | - | - |
| Expenses | - | - | - | - | - | - | - |
| Net Impact | - | | | | | | |

Redondo Fishing Pier Replace Decking



CITY OF DES MOINES
2017-2022 CAPITAL IMPROVEMENT PLAN
 (Amount in Thousands)

Redondo Fishing Pier Replace Decking

310

CIP Category: Waterfront Facility Project

Managing Department: Marina

Summary Project Description:

Replace the wood decking with a concrete deck. Repair pile caps and additional piling where needed in conjunction with installation of the concrete deck.
 12 New piles \$100,000; Demo and replace deck \$100,000 plus contingency.

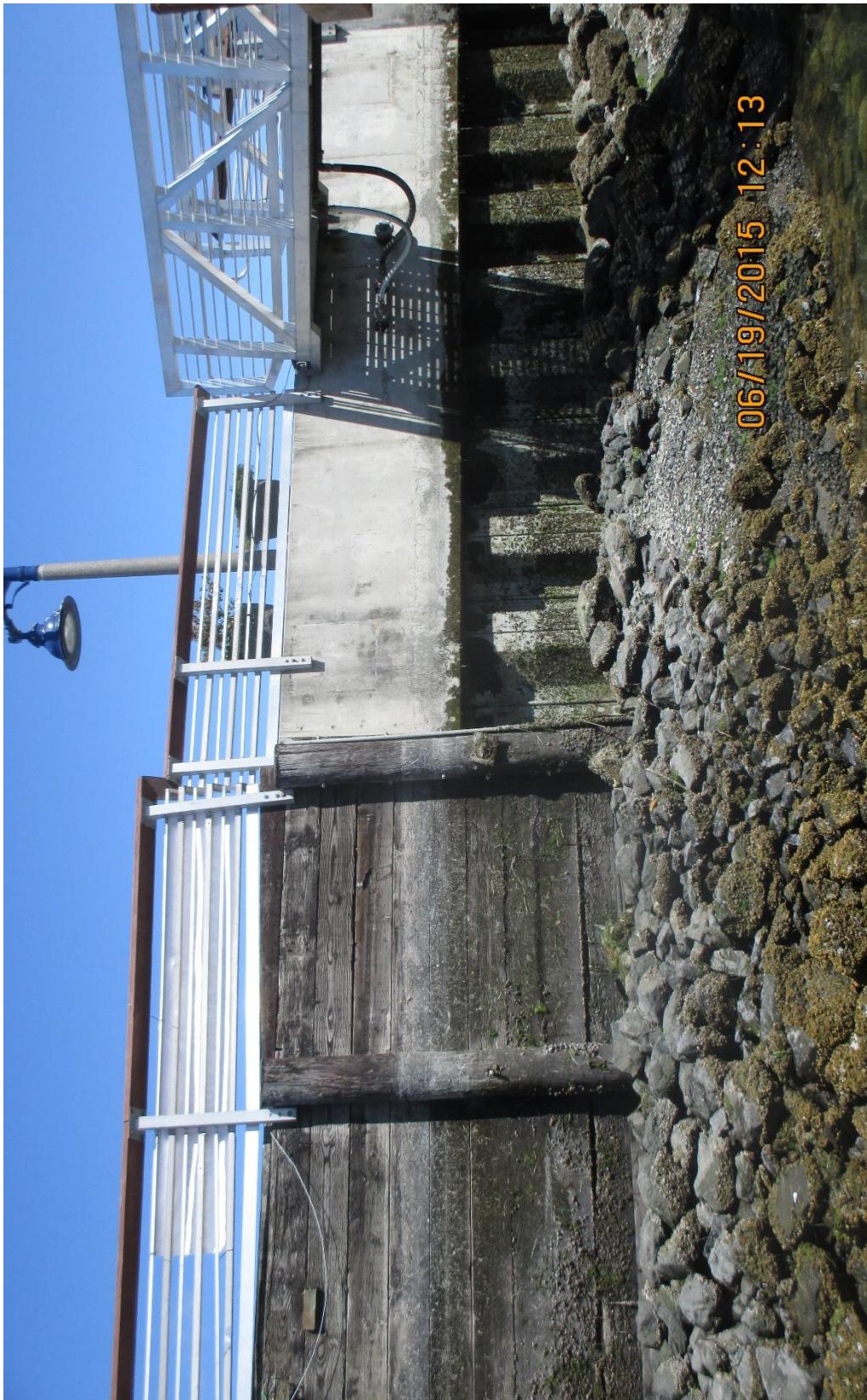
Justification/Benefits: The Pier is now 35 years old and the wood decking has reached the end of its useful life. Concrete decking is easier and cheaper to maintain as well as providing a much safer walking surface.

| PROJECT SCOPE | | ANNUAL ALLOCATION | | | | | | | |
|---------------------------|---------------------|------------------------------------|-------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| <i>Expenditures</i> | <i>Total Budget</i> | <i>Project to Date</i> 12/31/15 | <i>Scheduled Year</i> 2016 | <i>Plan Year</i> 2017 | <i>Plan Year</i> 2018 | <i>Plan Year</i> 2019 | <i>Plan Year</i> 2020 | <i>Plan Year</i> 2021 | <i>Plan Year</i> 2022 |
| Design | - | - | - | - | - | - | - | - | - |
| Land & Right of Way | - | - | - | - | - | - | - | - | - |
| Construction | 200 | - | - | - | - | - | 200 | - | - |
| Contingency | 25 | - | - | - | - | - | 25 | - | - |
| Total Expenditures | 225 | | | | | | 225 | | |

| Funding Sources | | ANNUAL ALLOCATION | | | | | | | |
|--|-------------|------------------------------------|-------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| <i>Total Budget</i> | <i>Year</i> | <i>Project to Date</i> 12/31/15 | <i>Scheduled Year</i> 2016 | <i>Plan Year</i> 2017 | <i>Plan Year</i> 2018 | <i>Plan Year</i> 2019 | <i>Plan Year</i> 2020 | <i>Plan Year</i> 2021 | <i>Plan Year</i> 2022 |
| REET 2 | 67 | - | - | - | - | - | - | - | - |
| State of Washington Grants (Unconfirmed) | 158 | - | - | - | - | - | 67 | - | - |
| Total Funding | 225 | | | | | | 225 | | |

| OPERATING IMPACT | | ANNUAL OPERATING IMPACT | | | | | | | |
|-------------------------|---------------------|--------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|--|
| <i>Operating Impact</i> | <i>6 Year Total</i> | <i>2016</i> | <i>2017</i> | <i>2018</i> | <i>2019</i> | <i>2020</i> | <i>2021</i> | <i>2022</i> | |
| Revenue | - | - | - | - | - | - | - | - | |
| Expenses | - | - | - | - | - | - | - | - | |
| Net Impact | - | | | | | | | | |

North Lot & Beach Park Bulkheads



CITY OF DES MOINES
2017 -2022 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

North Bulkhead

310

CIP Category: Waterfront Facility Project

Managing Department: Marina

Summary Project Description:

Replace the north bulkhead in the north parking lot and replace or repair sections of the bulkhead and revetment in front of the Beach Park. Remove unsuitable revetment material from the beach and include wider sidewalks and pedestrian amenities.

Justification/Benefits: Bulkheads are aged and damaged by storm activities which require periodic spot rebuilding. Replacing the bulkheads will provide long-term protection with lower maintenance costs. It would also improve public access to the beach from both the north parking lot and the Beach Park.

PROJECT SCOPE

| Expenditures | Total Budget | ANNUAL ALLOCATION | | | | | |
|---------------------------|---------------------|---------------------------------|----------------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| | | Project to Date 12/31/15 | Scheduled Year 2016 | Plan Year 2017 | Plan Year 2018 | Plan Year 2019 | Plan Year 2020 |
| Design | 100 | - | - | - | - | - | 100 |
| Land & Right of Way | - | - | - | - | - | - | - |
| Construction | 2,000 | - | - | - | - | - | 2,000 |
| Contingency | - | - | - | - | - | - | - |
| Total Expenditures | 2,100 | | | | | | 2,000 |

Funding Sources

| Funding Sources | Total Budget | ANNUAL ALLOCATION | | | | | | |
|--|---------------------|---------------------------------|----------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| | | Project to Date 12/31/15 | Scheduled Year 2016 | Plan Year 2017 | Plan Year 2018 | Plan Year 2019 | Plan Year 2020 | Plan Year 2021 |
| REET 1 | 1,100 | - | - | - | 200 | 200 | 200 | 200 |
| REET 2 | - | - | - | - | - | - | - | 300 |
| Local Grants (County, etc.) | - | - | - | - | - | - | - | - |
| State of Washington Grants (Unconfirmed) | 1,000 | - | - | - | - | - | - | 1,000 |
| Total Funding | 2,100 | | | | 200 | 200 | 200 | 1,300 |

OPERATING IMPACT

| Operating Impact | 6 Year Total | ANNUAL OPERATING IMPACT | | | | | |
|-------------------------|---------------------|--------------------------------|-------------|-------------|-------------|-------------|-------------|
| | | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
| Revenue | - | - | - | - | - | - | - |
| Expenses | - | - | - | - | - | - | - |
| Net Impact | - | | | | | | |

N Pier Restrooms



CITY OF DES MOINES
2017-2022 CAPITAL IMPROVEMENT PLAN
 (Amount in Thousands)

| | |
|------------------|-----|
| N Pier Restrooms | 310 |
|------------------|-----|

CIP Category: Waterfront Facility Project

Managing Department: Marina

Summary Project Description:

Demolish existing restroom and shower building located next to Marina office and the existing restrooms located near the fishing pier and replace them with 6 module unisex toilet, sink, shower units at a location centrally located to both areas but which will be outside (and therefore not conflict with) the Marina Zone 2 (Economic Development Zone). The unisex style units would include a toilet and sink and at least two units would also include a shower that would be operated with tokens issued by the Marina office.

Justification/Benefits: Existing restrooms are significantly deteriorated and need to be replaced. These restrooms are for public access (including patrons of the marina guest moorage).

| PROJECT SCOPE | | ANNUAL ALLOCATION | | | | | | | |
|---------------------------|--------------|--------------------------|---------------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Expenditures | Total Budget | Project to Date 12/31/15 | Scheduled Year 2016 | Plan Year 2017 | Plan Year 2018 | Plan Year 2019 | Plan Year 2020 | Plan Year 2021 | Plan Year 2022 |
| Design | - | - | - | - | - | - | - | - | - |
| Land & Right of Way | - | - | - | - | - | - | - | - | - |
| Construction | 247 | - | - | - | - | - | - | - | 247 |
| Contingency | 3 | - | - | - | - | - | - | - | 3 |
| Total Expenditures | 250 | | | | | | | | 250 |

| Funding Sources | | ANNUAL ALLOCATION | | | | | | | |
|----------------------|------------|--------------------------|---------------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Total Budget | Year 2016 | Project to Date 12/31/15 | Scheduled Year 2016 | Plan Year 2017 | Plan Year 2018 | Plan Year 2019 | Plan Year 2020 | Plan Year 2021 | Plan Year 2022 |
| REET 2 | 250 | - | - | - | - | - | - | - | - |
| Total Funding | 250 | | | | | | | | 250 |

| OPERATING IMPACT | | ANNUAL OPERATING IMPACT | | | | | | | |
|------------------|--------------|-------------------------|------|------|------|------|------|------|--|
| Operating Impact | 6 Year Total | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | |
| Revenue | - | - | - | - | - | - | - | - | |
| Expenses | - | - | - | - | - | - | - | - | |

Redondo Restroom & Plaza



CITY OF DES MOINES
2017 -2022 CAPITAL IMPROVEMENT PLAN
 (Amount in Thousands)

| | |
|--------------------------|-----|
| Redondo Restroom & Plaza | 310 |
|--------------------------|-----|

Summary Project Description:

Demolish existing restroom and replace with smaller pre-fab structure across the street. Replace restroom foundation with surface similar to rest of plaza and add railings. \$250,000 for pre-fab restroom and \$150,000 for ground restoration.

CIP Category: Waterfront Facility Project

Managing Department: Marina

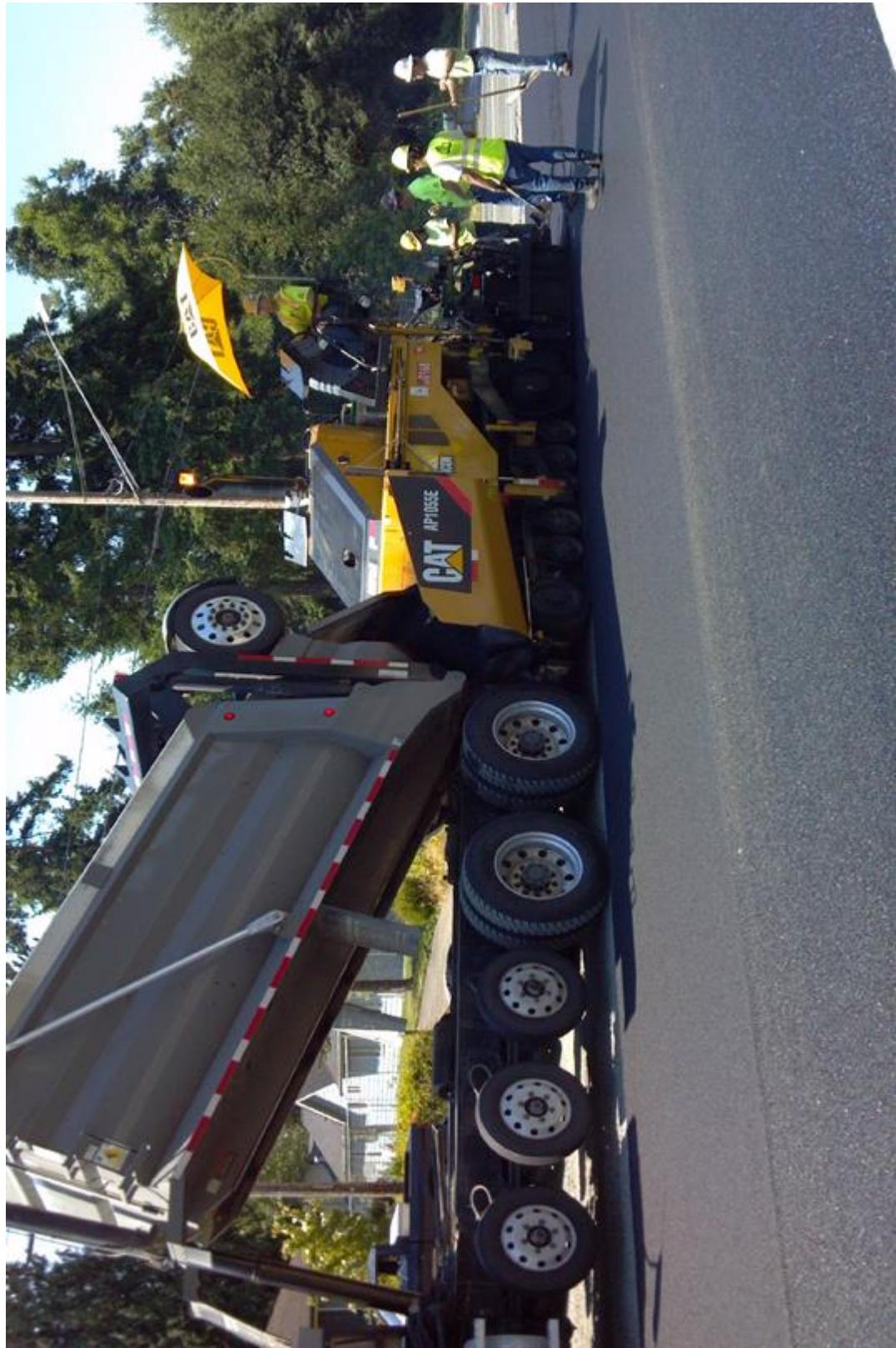
Justification/Benefits: The existing restrooms are 35 years old and are functionally obsolete. The restrooms are built on a pier with all of the plumbing hanging below the structure where it can and has been destroyed by storms.

| PROJECT SCOPE | | ANNUAL ALLOCATION | | | | | | | |
|---------------------------|--------------|--------------------------|---------------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Expenditures | Total Budget | Project to Date 12/31/15 | Scheduled Year 2016 | Plan Year 2017 | Plan Year 2018 | Plan Year 2019 | Plan Year 2020 | Plan Year 2021 | Plan Year 2022 |
| Design | - | - | - | - | - | - | - | - | - |
| Land & Right of Way | - | - | - | - | - | - | - | - | - |
| Construction | 400 | - | - | - | - | - | - | - | 400 |
| Contingency | - | - | - | - | - | - | - | - | - |
| Total Expenditures | 400 | | | | | | | | 400 |

| Funding Sources | Total Budget | Project to Date 12/31/15 | Scheduled Year 2016 | Plan Year 2017 | Plan Year 2018 | Plan Year 2019 | Plan Year 2020 | Plan Year 2021 | Plan Year 2022 |
|--|--------------|--------------------------|---------------------|----------------|----------------|----------------|----------------|----------------|----------------|
| REET 2 | 200 | - | - | - | - | - | - | - | 200 |
| State of Washington Grants (Unconfirmed) | 200 | - | - | - | - | - | - | - | 200 |
| Total Funding | 400 | | | | | | | | 400 |

| OPERATING IMPACT | | ANNUAL OPERATING IMPACT | | | | | |
|-------------------|--------------|-------------------------|------|------|------|------|------|
| Operating Impact | 6 Year Total | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 |
| Revenue | - | - | - | - | - | - | - |
| Expenses | - | - | - | - | - | - | - |
| Net Impact | - | | | | | | |

Arterial Street Pavement Preservation



CITY OF DES MOINES
2017 -2022 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

| | |
|---------------------------------------|---------|
| Arterial Street Pavement Preservation | 102.102 |
|---------------------------------------|---------|

CIP Category: Transportation - Operating Project

Managing Department: Plan, Build & PW Admin

Summary Project Description:

Maintain and preserve the integrity of the City's existing roadway surfaces of approximately 5 centerline miles per year through a combination of pavement rehabilitation measures, such as chip seals, patches and overlays. See 2016 50,000 use for project 319.614 S 268th St Sidewalks.

POLICY QUESTION: Cost/benefit of paving every two years vs. public perception paving every year???

Justification/Benefits: The City's Comprehensive Transportation Plan has identified the Pavement Management Program as a high priority. A major component of this program is the yearly pavement maintenance and rehabilitation projects. These projects are intended to protect and preserve the surface condition, help maintain the structural integrity, and restore texture and skid resistance to the roadway surface. With proper maintenance, asphalt pavement has a design life of 20 to 25 years. There are approximately 100 centerline miles of roadway. Given the design life of pavement, the Pavement Management Program should strive to maintain at least 4 to 5 centerline miles of roadway each year.

| PROJECT SCOPE | | ANNUAL ALLOCATION | | | | | | | |
|---------------------------|--------------|--------------------------|---------------------|----------------|----------------|----------------|----------------|----------------|----------------|
| | | Project to Date 12/31/15 | Scheduled Year 2016 | Plan Year 2017 | Plan Year 2018 | Plan Year 2019 | Plan Year 2020 | Plan Year 2021 | Plan Year 2022 |
| Expenditures | Total Budget | | | | | | | | |
| Design | 80 | - | 20 | | 20 | | 20 | | 20 |
| Land & Right of Way | - | | | | | | | | |
| Construction | 2,390 | | | | 690 | | 850 | | 850 |
| Contingency | 30 | | | | 10 | | 10 | | 10 |
| Total Expenditures | 2,500 | | | | 20 | 700 | 20 | 860 | 20 |

| Funding Sources | | ANNUAL ALLOCATION | | | | | | | |
|---------------------------------|--------------|--------------------------|---------------------|----------------|----------------|----------------|----------------|----------------|----------------|
| | | Project to Date 12/31/15 | Scheduled Year 2016 | Plan Year 2017 | Plan Year 2018 | Plan Year 2019 | Plan Year 2020 | Plan Year 2021 | Plan Year 2022 |
| Transportation Benefit District | 2,500 | | | 280 | 440 | 440 | 440 | 440 | 440 |
| REET 2 | - | | | | | | | | |
| Total Funding | 2,500 | | | 280 | 440 | 440 | 440 | 440 | 440 |

| OPERATING IMPACT | | ANNUAL OPERATING IMPACT | | | | | | |
|-------------------------|---------------------|-------------------------|------|------|------|------|------|------|
| | | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 |
| Operating Impact | 6 Year Total | | | | | | | |
| Revenue | - | - | - | - | - | - | - | - |
| Expenses | - | - | - | - | - | - | - | - |
| Net Impact | - | | | | | | | |

Arterial Traffic Calming Project



**CITY OF DES MOINES
2017-2022 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)**

| | |
|--------------------------|---------|
| Arterial Traffic Calming | 319.609 |
|--------------------------|---------|

CIP Category: Transportation - Capital Project

Managing Department: Plan, Build & PW Admin

| Summary Project Description: | |
|--|--|
| Install arterial traffic calming devices such as permanent radar speed signs, road rechannelization, speed cushions, and other appropriate devices for use on arterial streets. These devices are intended for higher volume roads and emergency response routes which have different characteristics than local roads. Locations are yet to be determined and based on operational characteristics. | |

Justification/Benefits: Arterial traffic calming devices have been shown to potentially reduce operational speeds and bring awareness to the motoring public. Lower operating speeds can improve the traffic safety for vehicle users as well as pedestrians using adjacent facilities.

| PROJECT SCOPE | | ANNUAL ALLOCATION | | | | | | | |
|---------------------------|--------------------------|---------------------|----------------|----------------|----------------|----------------|----------------|----------------|-----------|
| Expenditures | Project to Date 12/31/15 | Scheduled Year 2016 | Plan Year 2017 | Plan Year 2018 | Plan Year 2019 | Plan Year 2020 | Plan Year 2021 | Plan Year 2022 | |
| Design | - | | | | | | | | |
| Land & Right of Way | - | | | | | | | | |
| Construction | 75 | | 15 | 15 | | | 15 | 15 | 15 |
| Contingency | - | | | | | | | | |
| Total Expenditures | 75 | | 15 | 15 | | | 15 | 15 | 15 |

| Funding Sources | | ANNUAL ALLOCATION | | | | | | | |
|--|--------------------------|---------------------|----------------|----------------|----------------|----------------|----------------|----------------|-----------|
| Total Budget | Project to Date 12/31/15 | Scheduled Year 2016 | Plan Year 2017 | Plan Year 2018 | Plan Year 2019 | Plan Year 2020 | Plan Year 2021 | Plan Year 2022 | |
| ASE (Automatic Speed Enforcement) GF X-fer | 75 | | 15 | 15 | - | | 15 | 15 | 15 |
| Total Funding | 75 | | 15 | 15 | | | 15 | 15 | 15 |

| OPERATING IMPACT | | ANNUAL OPERATING IMPACT | | | | | | | |
|-------------------|--------------|-------------------------|------|------|------|------|------|------|---|
| Operating Impact | 6 Year Total | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | |
| Revenue | - | - | - | - | - | - | - | - | - |
| Expenses | - | - | - | - | - | - | - | - | - |
| Net Impact | - | | | | | | | | |

Sidewalk Program



CITY OF DES MOINES
2017-2022 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

| | |
|------------------|---------|
| Sidewalk Program | 101.205 |
|------------------|---------|

CIP Category: Transportation - Operating Project

Managing Department: Plan, Build & PW Admin

Justification/Benefits: Provides safer pedestrian mobility and reduces liability to City from substandard sidewalks.

| PROJECT SCOPE | | ANNUAL ALLOCATION | | | | |
|---------------------------|---------------------|--------------------------|------------------|------------------|------------------|------------------|
| <i>Expenditures</i> | <i>Total Budget</i> | <i>Scheduled Year</i> | <i>Plan Year</i> | <i>Plan Year</i> | <i>Plan Year</i> | <i>Plan Year</i> |
| <i>Project to Date</i> | <i>12/31/15</i> | <i>2016</i> | <i>2017</i> | <i>2018</i> | <i>2019</i> | <i>2020</i> |
| Design | 14 | - | 2 | 2 | 2 | 2 |
| Land & Right of Way | - | - | - | - | - | - |
| Construction | 126 | - | 18 | 18 | 18 | 18 |
| Contingency | - | - | - | - | - | - |
| Total Expenditures | 140 | - | 20 | 20 | 20 | 20 |

| PROJECT SCOPE | | ANNUAL ALLOCATION | | | | |
|--|---------------------|--------------------------|------------------|------------------|------------------|------------------|
| <i>Funding Sources</i> | <i>Total Budget</i> | <i>Scheduled Year</i> | <i>Plan Year</i> | <i>Plan Year</i> | <i>Plan Year</i> | <i>Plan Year</i> |
| <i>Project to Date</i> | <i>12/31/15</i> | <i>2016</i> | <i>2017</i> | <i>2018</i> | <i>2019</i> | <i>2020</i> |
| ASE (Automatic Speed Enforcement) GF X-fer | 140 | - | 20 | 20 | 20 | 20 |
| Total Funding | 140 | - | 20 | 20 | 20 | 20 |

| OPERATING IMPACT | | ANNUAL OPERATING IMPACT | | | | | |
|-------------------------|---------------------|--------------------------------|-------------|-------------|-------------|-------------|-------------|
| <i>Operating Impact</i> | <i>6 Year Total</i> | <i>2017</i> | <i>2018</i> | <i>2019</i> | <i>2020</i> | <i>2021</i> | <i>2022</i> |
| Revenue | - | - | - | - | - | - | - |
| Expenses | - | - | - | - | - | - | - |
| Net Impact | - | - | - | - | - | - | - |

Guardrail Program



CITY OF DES MOINES
2017 -2022 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

| | |
|-------------------|---------|
| Guardrail Program | 101.305 |
|-------------------|---------|

CIP Category: Transportation - Operating Project

Managing Department: Plan, Build & PW Admin

Summary Project Description:

Install new or replace outdated guardrail City wide.

Justification/Benefits: This program is specifically intended to target roadside safety on the City's street system. These locations are where guardrail is warranted (determined by the American Association of State Highway and Transportation Officials - AASHTO - Roadside Design Guide and City Policy) but where none exists, and where the existing guardrail does not meet current design standards and should be upgraded to enhance safety.

Vehicle impact with substandard guardrail installations can potentially increase the severity of the collision.

PROJECT SCOPE

| Expenditures | Total Budget | ANNUAL ALLOCATION | | | | | | | |
|---------------------------|--------------|--------------------------|---------------------|----------------|----------------|----------------|----------------|----------------|----------------|
| | | Project to Date 12/31/15 | Scheduled Year 2016 | Plan Year 2017 | Plan Year 2018 | Plan Year 2019 | Plan Year 2020 | Plan Year 2021 | Plan Year 2022 |
| Design | - | - | - | - | - | - | - | - | - |
| Land & Right of Way | - | - | - | - | - | - | - | - | - |
| Construction | 100 | - | - | 25 | - | 25 | - | 25 | - |
| Contingency | - | - | - | - | - | - | - | - | - |
| Total Expenditures | 100 | - | 25 | - | 25 | - | 25 | - | 25 |

Funding Sources

| Funding Sources | Total Budget | ANNUAL ALLOCATION | | | | | | | |
|----------------------|--------------|--------------------------|---------------------|----------------|----------------|----------------|----------------|----------------|----------------|
| | | Project to Date 12/31/15 | Scheduled Year 2016 | Plan Year 2017 | Plan Year 2018 | Plan Year 2019 | Plan Year 2020 | Plan Year 2021 | Plan Year 2022 |
| REET 2 | 100 | - | 25 | - | 25 | - | 25 | - | 25 |
| Total Funding | 100 | - | 25 | - | 25 | - | 25 | - | 25 |

OPERATING IMPACT

| Operating Impact | 6 Year Total | ANNUAL OPERATING IMPACT | | | | | |
|-------------------|--------------|-------------------------|----------|----------|----------|----------|----------|
| | | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 |
| Revenue | - | - | - | - | - | - | - |
| Expenses | - | - | - | - | - | - | - |
| Net Impact | - | - | - | - | - | - | - |

SW Bridge Seismic Retrofit



CITY OF DES MOINES
2017-2022 CAPITAL IMPROVEMENT PLAN
 (Amount in Thousands)

| | |
|----------------------------|---------|
| SW Bridge Seismic Retrofit | 319,326 |
|----------------------------|---------|

CIP Category: Transportation - Capital Project

Managing Department: Plan, Build & PW Admin

Justification/Benefits:

| <i>Summary Project Description:</i> | |
|--|--|
| Repairs and seismic retrofitting of the bridge. Patch and repair spalling areas. | |

| <i>PROJECT SCOPE</i> | | <i>ANNUAL ALLOCATION</i> | | | | | | | |
|---------------------------|---------------------|-----------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| <i>Expenditures</i> | <i>Total Budget</i> | <i>Scheduled Year</i> 12/31/15 | <i>Plan Year</i> 2016 | <i>Plan Year</i> 2017 | <i>Plan Year</i> 2018 | <i>Plan Year</i> 2019 | <i>Plan Year</i> 2020 | <i>Plan Year</i> 2021 | <i>Plan Year</i> 2022 |
| Design | 696 | 696 | | | | | | | |
| Land & Right of Way | | | | | | | | | |
| Construction | 3,684 | 3,639 | 45 | | | | | | |
| Contingency | 32 | 32 | | | | | | | |
| Total Expenditures | 4,412 | 4,367 | 45 | | | | | | |

| <i>Funding Sources</i> | <i>Total Budget</i> | <i>Project to Date</i> 12/31/15 | <i>Scheduled Year</i> 2016 | <i>Plan Year</i> 2017 | <i>Plan Year</i> 2018 | <i>Plan Year</i> 2019 | <i>Plan Year</i> 2020 | <i>Plan Year</i> 2021 | <i>Plan Year</i> 2022 |
|------------------------|---------------------|------------------------------------|-------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| Transport CIP Fund | 528 | 528 | | | | | | | |
| Federal Grants | 3,884 | 3,839 | 45 | | | | | | |
| Total Funding | 4,412 | 4,367 | 45 | | | | | | |

| <i>OPERATING IMPACT</i> | | | | | | | | | |
|--------------------------------|---------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|----------|
| <i>ANNUAL OPERATING IMPACT</i> | | | | | | | | | |
| <i>Operating Impact</i> | <i>6 Year Total</i> | <i>2016</i> | <i>2017</i> | <i>2018</i> | <i>2019</i> | <i>2020</i> | <i>2021</i> | <i>2022</i> | |
| Revenue | - | - | - | - | - | - | - | - | - |
| Expenses | - | - | - | - | - | - | - | - | - |
| Net Impact | - | - | - | - | - | - | - | - | - |

Midway SRTS 24th Ave Sidewalk



CITY OF DES MOINES
2017 -2022 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

| | |
|-------------------------------|---------|
| Midway SRTS 24th Ave Sidewalk | 319.606 |
|-------------------------------|---------|

CIP Category: Transportation - Capital Project

Managing Department: Plan, Build & PW Admin

Summary Project Description:

Install a sidewalk on the east side of 24th Ave S from South 224th Street to South 227th Street. This project will be done in conjunction with SWM's 24th Ave Pipeline replacement.

Justification/Benefits: Provides safer pedestrian mobility especially for school aged children. The east side of 24th Avenue South directly across from Midway Elementary and Pacific Middle School was identified as a top ranking priority project in the HEAL funded Safe Routes to School study/inventory.

PROJECT SCOPE

| | Total Expenditures | Project to Date 12/31/15 | Scheduled Year 2016 | Plan Year 2017 | Plan Year 2018 | Plan Year 2019 | Plan Year 2020 | Plan Year 2021 | Plan Year 2022 |
|---------------------------|--------------------|--------------------------|---------------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Design | 100 | 28 | 72 | | | | | | |
| Land & Right of Way | - | - | | | | | | | |
| Construction | 241 | - | | 241 | | | | | |
| Contingency | 54 | - | | 54 | | | | | |
| Total Expenditures | 395 | 28 | 72 | 295 | - | - | - | - | - |

Funding Sources

| | Total Budget | Project to Date 12/31/15 | Scheduled Year 2016 | Plan Year 2017 | Plan Year 2018 | Plan Year 2019 | Plan Year 2020 | Plan Year 2021 | Plan Year 2022 |
|--|--------------|--------------------------|---------------------|----------------|----------------|----------------|----------------|----------------|----------------|
| ASE (Automatic Speed Enforcement) GF X-fer | 268 | 207 | | | 61 | | | | |
| Traffic Impact Fees - City Wide | 127 | | | 72 | 55 | | | | |
| Total Funding | 395 | 207 | 72 | 116 | - | - | - | - | - |

OPERATING IMPACT

| | Operating Impact | 6 Year Total | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 |
|-------------------|------------------|--------------|----------|----------|----------|----------|----------|----------|----------|
| Revenue | - | - | - | - | - | - | - | - | - |
| Expenses | - | - | - | - | - | - | - | - | - |
| Net Impact | - | - | - | - | - | - | - | - | - |

24th Ave South Improvement



**CITY OF DES MOINES
2017-2022 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)**

| | |
|--|---|
| | <p>24th Ave South Improvement 319,300.040</p> <p>CIP Category: Transportation - Capital Project</p> <p>Managing Department: Plan, Build & PW Admin</p> <p>Justification/Benefits: Project infrastructure work completed in 2015.</p> |
|--|---|

Summary Project Description:

Project contingency held for potential coordination with the City of SeaTac's 24th/28th Roadway Connection Project.

| PROJECT SCOPE | | | ANNUAL ALLOCATION | | | | | | |
|---------------------------|--------------|--------------------------|---------------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Expenditures | Total Budget | Project to Date 12/31/15 | Scheduled Year 2016 | Plan Year 2017 | Plan Year 2018 | Plan Year 2019 | Plan Year 2020 | Plan Year 2021 | Plan Year 2022 |
| Design | 1,188 | 1,188 | | | | | | | |
| Land & Right of Way | 1,019 | 1,019 | | | | | | | |
| Construction | 5,069 | 5,069 | | | | | | | |
| Contingency | 1,224 | 1,194 | 30 | | | | | | |
| Total Expenditures | 8,500 | 8,470 | 30 | | | | | | |

| Funding Sources | | | ANNUAL ALLOCATION | | | | | | |
|-----------------------|--------------|--------------------------|---------------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Funding Sources | Total Budget | Project to Date 12/31/15 | Scheduled Year 2016 | Plan Year 2017 | Plan Year 2018 | Plan Year 2019 | Plan Year 2020 | Plan Year 2021 | Plan Year 2022 |
| Traffic in-Lieu | 4,166 | 4,166 | | | | | | | |
| Federal Grants | 3,000 | 3,000 | | | | | | | |
| Private Contributions | 823 | 823 | | | | | | | |
| Debt Proceeds | 330 | 330 | | | | | | | |
| Total Funding | 8,500 | 8,500 | | | | | | | |

| OPERATING IMPACT | | | | | | | | | |
|------------------------------------|---------------------|---|---|---|---|---|---|---|---|
| ANNUAL OPERATING IMPACT | | | | | | | | | |
| 2016 2017 2018 2019 2020 2021 2022 | | | | | | | | | |
| Operating Impact | 6 Year Total | | | | | | | | |
| Revenue | - | - | - | - | - | - | - | - | - |
| Expenses | - | - | - | - | - | - | - | - | - |
| Net Impact | - | | | | | | | | |

Gateway - S 216th Segment 1A



CITY OF DES MOINES
2017-2022 CAPITAL IMPROVEMENT PLAN
 (Amount in Thousands)

Gateway - S 216th Segment 1A **319.332**

CIP Category: Transportation - Capital Project

Managing Department: Plan, Build & PW Admin

Justification/Benefits: Provides adequate access to support area development especially as it relates to the Des Moines Business Park and future development along the north side of South 216th Street and east side of 24th Ave South.

| PROJECT SCOPE | | ANNUAL ALLOCATION | | | | | |
|--|-------------------------|--------------------------------|------------------------|-----------------------|------------------|------------------|------------------|
| <i>Expenditures</i> | <i>Total Budget</i> | <i>Project to Date</i> | <i>Scheduled Year</i> | <i>Plan Year</i> | <i>Plan Year</i> | <i>Plan Year</i> | <i>Plan Year</i> |
| | 12/31/15 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
| Design | 902 | 902 | | | | | |
| Land & Right of Way | 944 | 828 | 116 | | | | |
| Construction | 4,391 | 80 | 4,311 | | | | |
| Contingency | 648 | 7 | 641 | | | | |
| Total Expenditures | 6,885 | 1,817 | 5,068 | | | | |
| Funding Sources | | <i>Total Budget</i> | <i>Project to Date</i> | <i>Scheduled Year</i> | <i>Plan Year</i> | <i>Plan Year</i> | <i>Plan Year</i> |
| | | 12/31/15 | 2016 | 2017 | 2018 | 2019 | 2020 |
| | | | | | | | |
| Traffic in-Lieu | 850 | 259 | 591 | | | | |
| Transport CIP Fund | 894 | 688 | 206 | | | | |
| Traffic Impact Fees - City Wide | 366 | 50 | 316 | | | | |
| Local Grants (Metro) | 30 | 7 | 23 | | | | |
| State of Washington Grants (Confirmed)TIB, FMSIB | 3,692 | | 3,692 | | | | |
| Federal Grants (STP) | 613 | 488 | 125 | | | | |
| Private Contributions (Utilities) | 115 | | 115 | | | | |
| Debt Proceeds | 325 | 325 | | | | | |
| Total Funding | 6,885 | 1,817 | 5,068 | | | | |
| OPERATING IMPACT | | ANNUAL OPERATING IMPACT | | | | | |
| | <i>Operating Impact</i> | 6 Year Total | 2017 | 2018 | 2019 | 2020 | 2021 |
| | | | | | | | |
| Revenue | - | - | - | - | - | - | - |
| Expenses | - | - | - | - | - | - | - |
| Net Impact | - | - | - | - | - | - | - |

Barnes Creek Trail



**CITY OF DES MOINES
2017-2022 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)**

| | |
|--------------------|---------|
| Barnes Creek Trail | 319.345 |
|--------------------|---------|

CIP Category: Transportation - Capital Project

Managing Department: Plan, Build & PW Admin

Summary Project Description:

A 2 mile multi-use trail connecting to the Des Moines Creek Trail in the north and Highline College at the south end.

Justification/Benefits: The need for extension of roadways, the Barnes Creek Trail, storm water improvements and other public facilities along the Historic SR509 right of way between Kent Des Moines Road and S. 216th Street is identified in the City of Des Moines Comprehensive Transportation Plan, 2009 and the City of Des Moines Highest and Best Use Analysis of the Historic SR 509 Corridor, 2009. The analysis divided the corridor into three segments assessing the City's future needs.

| PROJECT SCOPE | | ANNUAL ALLOCATION | | | | | | ANNUAL OPERATING IMPACT | | | | | | | | |
|--|--------------|--------------------------|--------------------------|---------------------|----------------|----------------|----------------|-------------------------|----------------|----------------|-----------------------|-----------------------|------------|------|------|------|
| Expenditures | Total Budget | Project to Date 12/31/15 | Scheduled Year 2016 | Plan Year 2017 | Plan Year 2018 | Plan Year 2019 | Plan Year 2020 | Plan Year 2021 | Plan Year 2022 | Revenue | 6 Year Total Expenses | Net Impact | 2020 | 2021 | 2022 | |
| Design | 1,038 | 464 | 524 | | | | | 50 | | | | | | | | |
| Land & Right of Way | - | - | | | | | | | | | | | | | | |
| Construction | 3,455 | - | | | | | | | | | | | | | | |
| Contingency | 376 | 76 | | | | | | | | | | | | | | |
| Total Expenditures | 4,869 | 540 | 524 | | | | | 50 | 2,253 | 1,502 | | | | | | |
| Funding Sources | | Total Budget | Project to Date 12/31/15 | Scheduled Year 2016 | Plan Year 2017 | Plan Year 2018 | Plan Year 2019 | Plan Year 2020 | Plan Year 2021 | Plan Year 2022 | Revenue | 6 Year Total Expenses | Net Impact | 2020 | 2021 | 2022 |
| REET 1 | 644 | 39 | 248 | | | | | 50 | 204 | 103 | | | | | | |
| King County Park Levy | 288 | 288 | | | | | | | | | | | | | | |
| Transport CIP Fund | 69 | 69 | | | | | | | | | | | | | | |
| Traffic Impact Fees - City Wide | 200 | | | | | | | | | | 100 | 100 | | | | |
| Local Grants (County, etc.) | 44 | 44 | | | | | | | | | | | | | | |
| State of Washington Grants (Unconfirmed) | - | | | | | | | | | | | | | | | |
| Federal Grants (2015-16 Secured) | 3,624 | 274 | 102 | | | | | | | | 1,949 | 1,299 | | | | |
| Total Funding | 4,869 | 714 | 350 | | | | | 50 | 2,253 | 1,502 | | | | | | |

Redondo Board Walk Replacement



CITY OF DES MOINES
2017-2022 CAPITAL IMPROVEMENT PLAN
 (Amount in Thousands)

| | |
|--------------------------------|---------|
| Redondo Board Walk Replacement | 319.615 |
|--------------------------------|---------|

CIP Category: Transportation - Capital Project

Managing Department: Plan, Build & PW Admin

Summary Project Description:

Replace Boardwalk with improved design. FHWA 86.5% for grant funding total of \$285K is confirmed.
 The rest of the grant funding is still in application status.

Justification/Benefits: In late November of 2014, the Boardwalk was severely damaged by a storm and has been closed until permanent repairs can be made. The Boardwalk is one of the highest pedestrian use locations in the City with peak hour counts as high as 600 pedestrians per hour. The Boardwalk is a regional attraction for tourists and waterfront activity.

| Expenditures | Total Budget | ANNUAL ALLOCATION | | | | | |
|---------------------------|--------------|--------------------------|---------------------|----------------|----------------|----------------|----------------|
| | | Project to Date 12/31/15 | Scheduled Year 2016 | Plan Year 2017 | Plan Year 2018 | Plan Year 2019 | Plan Year 2020 |
| Design | 453 | 453 | - | | | | |
| Land & Right of Way | - | - | | | | | |
| Construction | 3,810 | - | 3,810 | | | | |
| Contingency | 432 | 5 | 427 | | | | |
| Total Expenditures | 4,605 | 458 | 4,237 | | | | |

| Funding Sources | Total Budget | Project to Date 12/31/15 | Scheduled Year 2016 | Plan Year 2017 | Plan Year 2018 | Plan Year 2019 | Plan Year 2020 | Plan Year 2021 | Plan Year 2022 |
|----------------------|--------------|--------------------------|---------------------|----------------|----------------|----------------|----------------|----------------|----------------|
| REET 1 | 500 | 30 | 470 | | | | | | |
| State of Washington | 1,808 | 143 | 1,665 | | | | | | |
| Federal Grants | 2,387 | 285 | 2,102 | | | | | | |
| Total Funding | 4,605 | 458 | 4,237 | | | | | | |

| Operating Impact | 6 Year Total | ANNUAL OPERATING IMPACT | | | | | |
|-------------------|--------------|-------------------------|----------|----------|----------|----------|----------|
| | | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
| Revenue | - | - | - | - | - | - | - |
| Expenses | - | - | - | - | - | - | - |
| Net Impact | - | - | - | - | - | - | - |

South 268th Street Sidewalk



**CITY OF DES MOINES
2017 - 2022 CAPITAL IMPROVEMENTS
(Amount in Thousands)**

South 268th Street Sidewalk 319.614

CTP Category Transportation - Capital Project

Managing Department: Plan, Build & PW Admin

Justification/Benefits: S. 268th Street is a Neighborhood Collector Arterial connecting Pacific Highway South and 16th Avenue South. Currently there are open ditch sections on the north and south sides of 268th and no existing sidewalks west of 19th Ave South. South 268th Street is also used by elementary students to walk to Woodmont Elementary on 16th Ave South.

| PROJECT SCOPE | | Expenditures | Total Budget |
|---------------------|--|--------------|--------------|
| Design | | | 97 |
| Land & Right of Way | | | - |
| Construction | | | 723 |
| Contingency | | | 60 |
| Total Expenditures | | | 880 |

| Funding Sources | Total Budget | Project to Date | Scheduled Year | Plan Year | Plan Year | Plan Year | Plan Year |
|--|--------------|-----------------|----------------|-----------|-----------|-----------|-----------|
| | | 12/31/15 | 2016 | 2017 | 2018 | 2019 | 2020 |
| ASE (Automatic Speed Enforcement) GF X-Fer | 38 | | | 38 | | | |
| Transportation Benefit District | 50 | | | 50 | | | |
| REET 2 | 94 | | | 94 | | | |
| Transport CIP Fund | 182 | | | 182 | | | |
| Federal Grants | 431 | | | 431 | | | |
| Private Contributions | 85 | | | 85 | | | |
| Total Funding | 880 | | | | | | |

| ANNUAL OPERATING IMPACT | | | | | | |
|-------------------------|------------------|--------------|------|-------------|------|------|
| OPERATING IMPACT | | 6 Year Total | | 2016 - 2022 | | |
| Revenue | Operating Impact | 2016 | 2017 | 2018 | 2019 | 2020 |
| | | - | - | - | - | - |
| Expenses | Net Impact | - | - | - | - | - |

S 224th St Improvements



**CITY OF DES MOINES
2017-2022 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)**

| | |
|-------------------------|---------|
| S 224th St Improvements | 319.336 |
|-------------------------|---------|

CIP Category: Transportation - Capital Project

Managing Department: Plan, Build & PW Admin

Summary Project Description:

Improvements identified for South 224th Street are for a "Type A" street including curbs, gutters, wide sidewalks, and bike lanes. This project includes design, environmental analysis, and preparation of plans, specifications, and estimates by a consultant. In-lieu fees have been obtained and will fund the design as well as the construction.

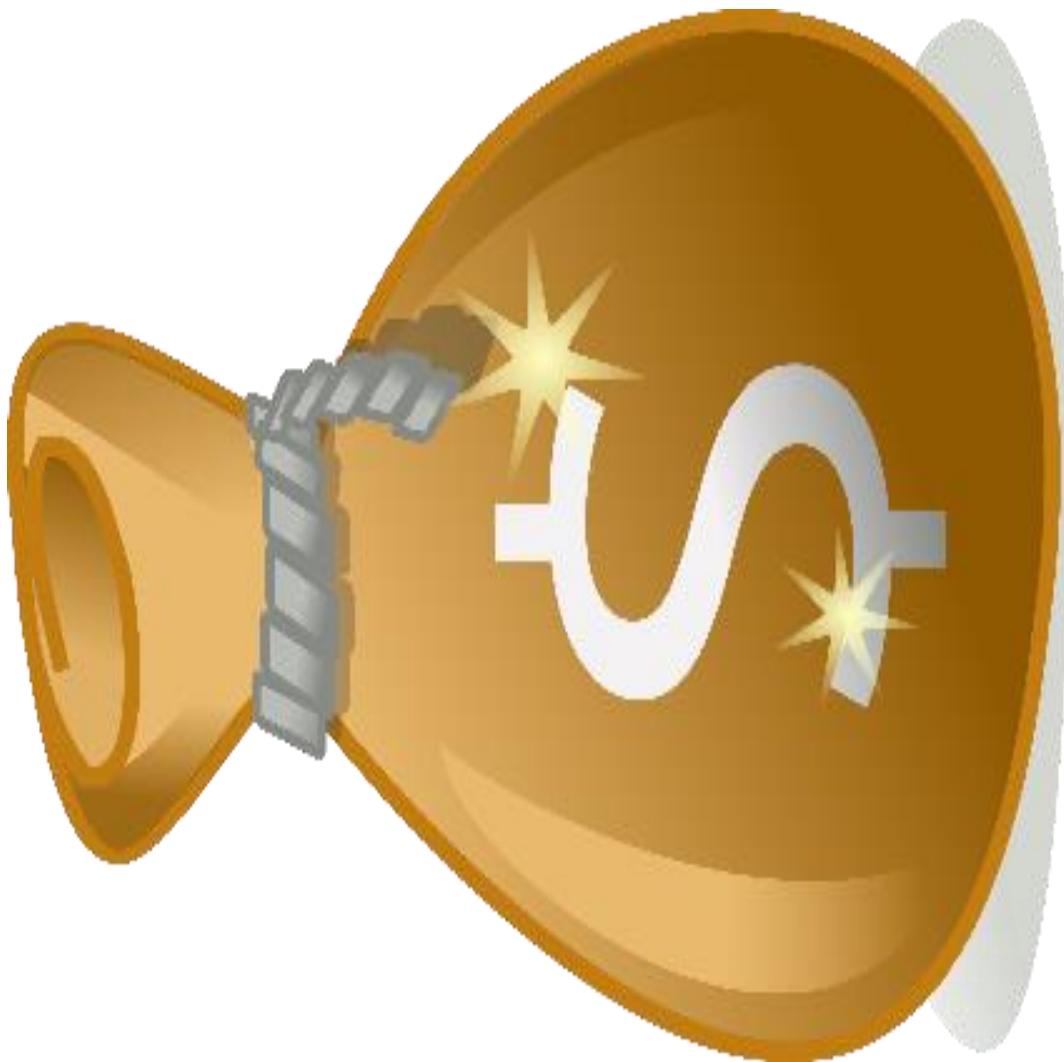
Justification/Benefits: This project has been identified as one of the Pacific Ridge Neighborhood Mitigation Project. Sidewalks are lacking completely on the north side of 224th Street and there is currently an incomplete section of sidewalk on the south side. This sidewalk will provide a safer pedestrian connection between 30th Ave South and Pacific Highway South.

| <i>PROJECT SCOPE</i> | | <i>ANNUAL ALLOCATION</i> | | | | | | | |
|---------------------------|---------------------|---------------------------------|----------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| <i>Expenditures</i> | <i>Total Budget</i> | <i>Project to Date 12/31/15</i> | <i>Scheduled Year 2016</i> | <i>Plan Year 2017</i> | <i>Plan Year 2018</i> | <i>Plan Year 2019</i> | <i>Plan Year 2020</i> | <i>Plan Year 2021</i> | <i>Plan Year 2022</i> |
| Design | 113 | - | 113 | | | | | | |
| Land & Right of Way | 35 | - | | | 35 | | | | |
| Construction | 366 | - | | | 366 | | | | |
| Contingency | 101 | - | | | 101 | | | | |
| Total Expenditures | 615 | - | 113 | 502 | - | - | - | - | - |

| <i>PROJECT SCOPE</i> | | <i>ANNUAL ALLOCATION</i> | | | | | | | |
|---|---------------------|---------------------------------|----------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| <i>Funding Sources</i> | <i>Total Budget</i> | <i>Project to Date 12/31/15</i> | <i>Scheduled Year 2016</i> | <i>Plan Year 2017</i> | <i>Plan Year 2018</i> | <i>Plan Year 2019</i> | <i>Plan Year 2020</i> | <i>Plan Year 2021</i> | <i>Plan Year 2022</i> |
| Transport CIP Fund (Prior x-fer TIF -Pac Ridge) | 615 | 606 | 9 | 9 | | | | | |
| Total Funding | 615 | 606 | 9 | - | - | - | - | - | - |

| <i>OPERATING IMPACT</i> | | <i>ANNUAL OPERATING IMPACT</i> | | | | | | | |
|-------------------------|---------------------|--------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|--|
| <i>Operating Impact</i> | <i>6 Year Total</i> | <i>2016</i> | <i>2017</i> | <i>2018</i> | <i>2019</i> | <i>2020</i> | <i>2021</i> | <i>2022</i> | |
| Revenue | - | - | - | - | - | - | - | - | |
| Expenses | - | - | - | - | - | - | - | - | |
| Net Impact | - | - | - | - | - | - | - | - | |

Adrianna Sidewalk Vacation Placeholder



CITY OF DES MOINES
2017 -2022 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

| | |
|---|-----|
| Aldrianna Sidewalk Vacation Placeholder | 319 |
|---|-----|

Summary Project Description:

This is a placeholder for the \$105,825 funding received in 2015.

CIP Category:

Managing Department:

Justification/Benefits:

| | | ANNUAL ALLOCATION | | | | | | | |
|---------------------------|---------------------|-----------------------------|------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| | | Project to Date 12/31/15 | Scheduled Year 2016 | Plan Year 2017 | Plan Year 2018 | Plan Year 2019 | Plan Year 2020 | Plan Year 2021 | Plan Year 2022 |
| <i>Expenditures</i> | <i>Total Budget</i> | | | | | | | | |
| Design | - | | | | | | | | |
| Land & Right of Way | - | | | | | | | | |
| Construction | - | | | | | | | | |
| Contingency | 106 | | | | 106 | | | | |
| Total Expenditures | 106 | | | | 106 | | | | |
| <i>Funding Sources</i> | | ANNUAL OPERATING IMPACT | | | | | | | |
| | | Project to Date 12/31/15 | Scheduled Year 2016 | Plan Year 2017 | Plan Year 2018 | Plan Year 2019 | Plan Year 2020 | Plan Year 2021 | Plan Year 2022 |
| Traffic in-Lieu | 106 | 106 | | | | | | | |
| Total Funding | 106 | 106 | | | | | | | |
| <i>Operating Impact</i> | | ANNUAL OPERATING IMPACT | | | | | | | |
| | | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | |
| <i>Operating Impact</i> | 6 Year Total | | | | | | | | |
| Revenue | - | - | - | - | - | - | - | - | - |
| Expenses | (36) | - | (6) | (6) | (6) | (6) | (6) | (6) | (6) |
| Net Impact | (36) | - | (6) | (6) | (6) | (6) | (6) | (6) | (6) |

16th Ave - Seg 5A



CITY OF DES MOINES
2017-2022 CAPITAL IMPROVEMENT PLAN
 (Amount in Thousands)

| | |
|-------------------|---------|
| 16th Ave - Seg 5A | 319.301 |
|-------------------|---------|

CIP Category: Transportation - Capital Project

Managing Department: Plan, Build & PW Admin

Summary Project Description:

South 272nd Street to approximately 1000 feet south of S 272nd Street. Install curbs, gutters, sidewalks, enclosed drainage system and bike lanes along both sides of the street. Improve existing lighting and install left turn lane. Cost estimates reflect overhead utilities. Underground utilities would be a significant increase. This project coordinates with Segment 5B.

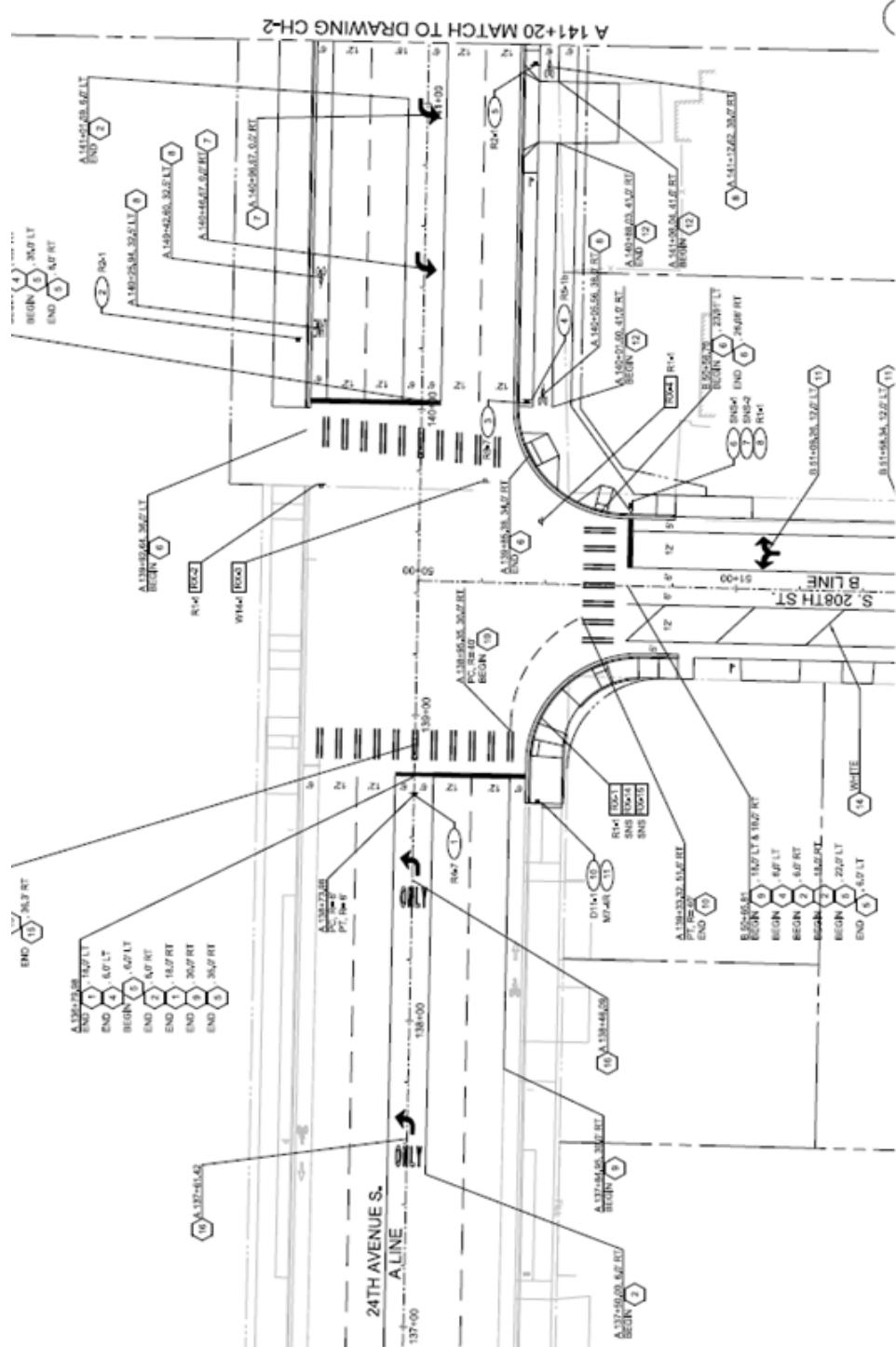
Justification/Benefits: The need for pedestrian facilities is identified in the City's Comprehensive Transportation Plan and 6 Yr TIP. This corridor has numerous single-family developments that generate pedestrian traffic along the shoulder of the road. It is used to access schools, parks, churches and shopping areas. 16th Ave is classified as a principal arterial and is identified as a pedestrian walkway route. Future growth will highlight the need for separated pedestrian facilities. This project also improves mobility and safety by adding left turn lanes and improving street lighting.

| PROJECT SCOPE | | ANNUAL ALLOCATION | | | | | | | |
|---------------------------|--------------|--------------------------|---------------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Expenditures | Total Budget | Project to Date 12/31/15 | Scheduled Year 2016 | Plan Year 2017 | Plan Year 2018 | Plan Year 2019 | Plan Year 2020 | Plan Year 2021 | Plan Year 2022 |
| Design | 128 | - | - | 128 | | | | | |
| Land & Right of Way | - | - | - | | | | | | |
| Construction | - | - | - | | | | | | |
| Contingency | 1 | - | - | 1 | | | | | |
| Total Expenditures | 129 | | | | | 129 | | | |

| Funding Sources | | ANNUAL ALLOCATION | | | | | | | |
|----------------------|------------|--------------------------|---------------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Total Budget | | Project to Date 12/31/15 | Scheduled Year 2016 | Plan Year 2017 | Plan Year 2018 | Plan Year 2019 | Plan Year 2020 | Plan Year 2021 | Plan Year 2022 |
| Traffic in-Lieu | 129 | 129 | | | | | | | |
| Transport CIP Fund | | | | | | | | | |
| Total Funding | 129 | | | | | 129 | | | |

| OPERATING IMPACT | | ANNUAL OPERATING IMPACT | | | | | | |
|-------------------|--------------|-------------------------|------|------|------|------|------|------|
| Operating Impact | 6 Year Total | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 |
| Revenue | - | - | - | - | - | - | - | - |
| Expenses | - | - | - | - | - | - | - | - |
| Net Impact | - | | | | | | | |

24th Ave/Sea-Tac Intersection



CITY OF DES MOINES
2016 -2021 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

| | |
|-------------------------------|---------|
| 24th Ave/Sea-Tac Intersection | 319.302 |
|-------------------------------|---------|

CIP Category:

Managing Department:

Summary Project Description:

Costs to cover construction coordination/tie-in efforts at the intersection of 24th Ave S/South 208th Street

Justification/Benefits: The City of SeaTac is widening 24th Ave South north of South 208th Street and there will be the need to potentially cover asphalt and concrete work at the intersection to create a smooth roadway transition between jurisdictions. The City of Des Moines is responsible for most of the intersection, including the NW and SW corners.

| PROJECT SCOPE | | ANNUAL ALLOCATION | | | | | | | |
|---------------------------|---------------------|--------------------------|---------------------|----------------|----------------|----------------|----------------|----------------|----------------|
| | | Project to Date 12/31/15 | Scheduled Year 2016 | Plan Year 2017 | Plan Year 2018 | Plan Year 2019 | Plan Year 2020 | Plan Year 2021 | Plan Year 2022 |
| <i>Expenditures</i> | <i>Total Budget</i> | | | | | | | | |
| Design | - | | | | | | | | |
| Land & Right of Way | - | | | | | | | | |
| Construction | 30 | | | | | | | | |
| Contingency | - | | | | | | | | |
| Total Expenditures | 30 | | | | | | | | |
| | | | | | | | | | |

| Funding Sources | | ANNUAL ALLOCATION | | | | | | | |
|---------------------------------|-----------|--------------------------|---------------------|----------------|----------------|----------------|----------------|----------------|----------------|
| | | Project to Date 12/31/15 | Scheduled Year 2016 | Plan Year 2017 | Plan Year 2018 | Plan Year 2019 | Plan Year 2020 | Plan Year 2021 | Plan Year 2022 |
| <i>Total Budget</i> | | | | | | | | | |
| Traffic Impact Fees - City Wide | 30 | | | | | | | | |
| Total Funding | 30 | | | | | | | | |
| | | | | | | | | | |

| OPERATING IMPACT | | ANNUAL OPERATING IMPACT | | | | | | | |
|-------------------------|---------------------|-------------------------|------|------|------|------|------|------|--|
| | | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | |
| <i>Operating Impact</i> | <i>6 Year Total</i> | | | | | | | | |
| Revenue | - | - | - | - | - | - | - | - | |
| Expenses | - | - | - | - | - | - | - | - | |
| Net Impact | - | | | | | | | | |
| | | | | | | | | | |

Downtown Alley Improvement



CITY OF DES MOINES
2017 -2022 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

| | |
|----------------------------|-----|
| Downtown Alley Improvement | 319 |
|----------------------------|-----|

CIP Category: Transportation - Capital Project

Managing Department: Plan, Build & PW Admin

Summary Project Description:

Project will underground general utilities, overlay alley between 223rd and 225th, provide for urban design features and elements to create a vibrant, pedestrian friendly corridor.

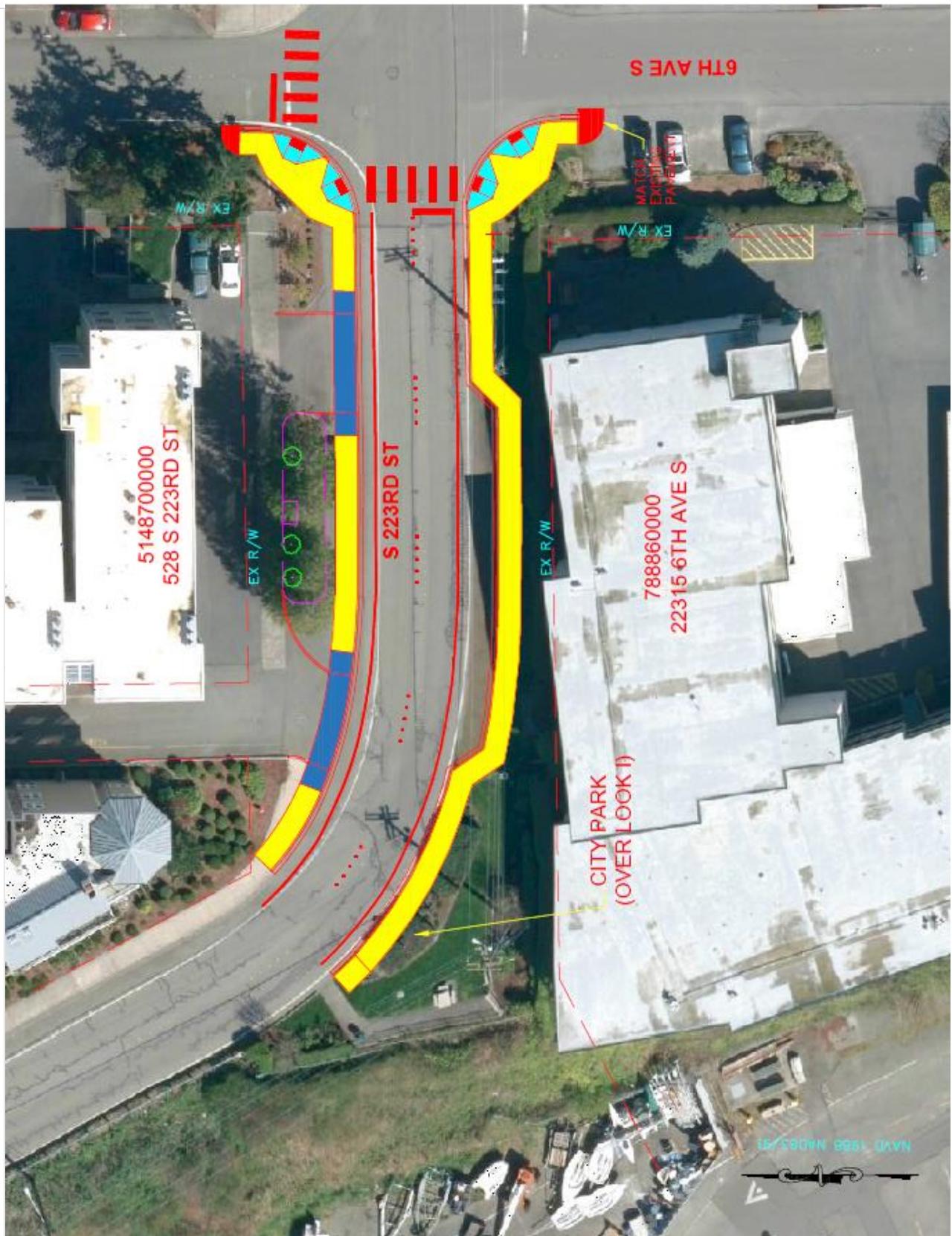
Justification/Benefits: An active pedestrian alley provides economic benefit to the city by generating additional sales for local businesses which increases sales tax and B&O tax revenues to the city.

| PROJECT SCOPE | | ANNUAL ALLOCATION | | | | | | | |
|---------------------------|---------------------|-----------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| Expenditures | Total Budget | Scheduled Year 12/31/15 | Plan Year 2016 | Plan Year 2017 | Plan Year 2018 | Plan Year 2019 | Plan Year 2020 | Plan Year 2021 | Plan Year 2022 |
| Design | 70 | | | | 70 | | | | |
| Land & Right of Way | - | | | | | | | | |
| Construction | 330 | | | | | 330 | | | |
| Contingency | 30 | | | | | 30 | | | |
| Total Expenditures | 430 | | | | 70 | 360 | | | |

| Funding Sources | | ANNUAL ALLOCATION | | | | | | | |
|-----------------------------------|-------------------------|-------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--|
| Total Budget | Year 12/31/15 | Scheduled Year 2016 | Plan Year 2017 | Plan Year 2018 | Plan Year 2019 | Plan Year 2020 | Plan Year 2021 | Plan Year 2022 | |
| Transportation Benefit District | - | | | | | | | | |
| Traffic in-Lieu | 330 | | | | | 260 | | | |
| Private Contributions (Utilities) | 100 | | | | | 100 | | | |
| Total Funding | 430 | | | | 70 | 360 | | | |

| OPERATING IMPACT | | | | | | | | | | ANNUAL OPERATING IMPACT | | | |
|-------------------------|---|---------------------|---|-------------|-------------|-------------|-------------|-------------|-------------|--------------------------------|-----------------|-------------------|---|
| Operating Impact | | 6 Year Total | | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | Revenue | Expenses | Net Impact | |
| Revenue | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Expenses | - | - | - | - | - | - | - | - | - | - | - | - | - |

S 2223rd Walkway Improvements



**CITY OF DES MOINES
2017 -2022 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)**

S 223rd Walkway Improvements**319**

CIP Category: Transportation - Capital Project

Managing Department: Plan, Build & PW Admin

Summary Project Description:

Installation of missing sidewalk on the north and south sides of S 223rd St and west of 6th Ave. The project will install curbs, ramps and landings at the intersection of 6th Ave and 223rd Ave.

Justification/Benefits: The city has identified missing sidewalk needs in the Downtown area. This location is a key connection from the Downtown area to the Marina/Beach Park.

PROJECT SCOPE

| Expenditures | Total Budget | ANNUAL ALLOCATION | | | | | |
|---------------------------|--------------|--------------------------|---------------------|----------------|----------------|----------------|----------------|
| | | Project to Date 12/31/15 | Scheduled Year 2016 | Plan Year 2017 | Plan Year 2018 | Plan Year 2019 | Plan Year 2020 |
| Design | 25 | | | 15 | 10 | | |
| Land & Right of Way | - | | | | | | |
| Construction | 152 | | | | 152 | | |
| Contingency | 14 | | | | | 14 | |
| Total Expenditures | 191 | | | | | 15 | 176 |

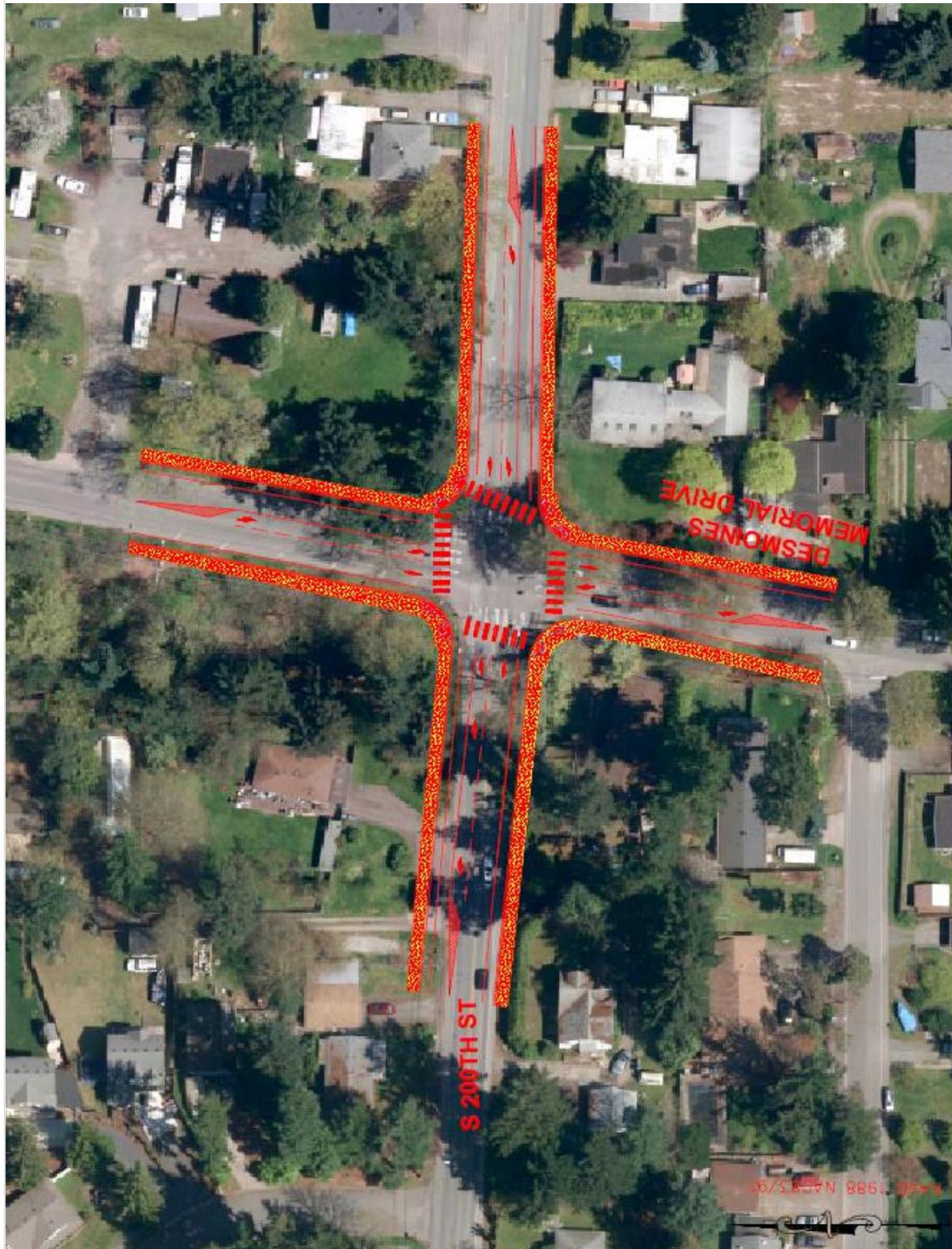
Funding Sources

| Funding Sources | Total Budget | ANNUAL ALLOCATION | | | | | | |
|--|--------------|--------------------------|---------------------|----------------|----------------|----------------|----------------|----------------|
| | | Project to Date 12/31/15 | Scheduled Year 2016 | Plan Year 2017 | Plan Year 2018 | Plan Year 2019 | Plan Year 2020 | Plan Year 2021 |
| ASE (Automatic Speed Enforcement) GF X-fer | 30 | | | | | | | |
| State of Washington Grants (Unconfirmed) | 161 | | | | | | | |
| Total Funding | 191 | | | | 15 | 176 | | |

OPERATING IMPACT

| Operating Impact | 6 Year Total | ANNUAL OPERATING IMPACT | | | | | |
|-------------------|--------------|-------------------------|----------|----------|----------|----------|----------|
| | | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 |
| Revenue | - | - | - | - | - | - | - |
| Expenses | - | - | - | - | - | - | - |
| Net Impact | - | - | - | - | - | - | - |

S 200th St Safe Routes to School



**CITY OF DES MOINES
2017 -2022 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)**

| | |
|---|------------|
| S 200th St Safe Routes to School | 319 |
|---|------------|

CIP Category: Transportation - Capital Project

Managing Department: Plan, Build & PW Admin

Summary Project Description:

Install sidewalk on the north side of the S 200th St between 8th Ave South and Des Moines Memorial Dr.

Justification/Benefits: Currently no sidewalk exists along the S 200th Street arterial. This route is identified as a high priority in the city's school walk route evaluation.

PROJECT SCOPE

| <i>Expenditures</i> | <i>Total Budget</i> | <i>Project to Date 12/31/15</i> | <i>Scheduled Year 2016</i> | <i>Plan Year 2017</i> | <i>Plan Year 2018</i> | <i>Plan Year 2019</i> | <i>Plan Year 2020</i> | <i>Plan Year 2021</i> | <i>Plan Year 2022</i> |
|---------------------------|---------------------|---------------------------------|----------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Design | 75 | - | - | - | 75 | - | - | - | - |
| Land & Right of Way | - | - | - | - | - | - | - | - | - |
| Construction | 550 | - | - | - | - | 550 | - | - | - |
| Contingency | 95 | - | - | - | - | 95 | - | - | - |
| Total Expenditures | 720 | | | | | 75 | 645 | | |

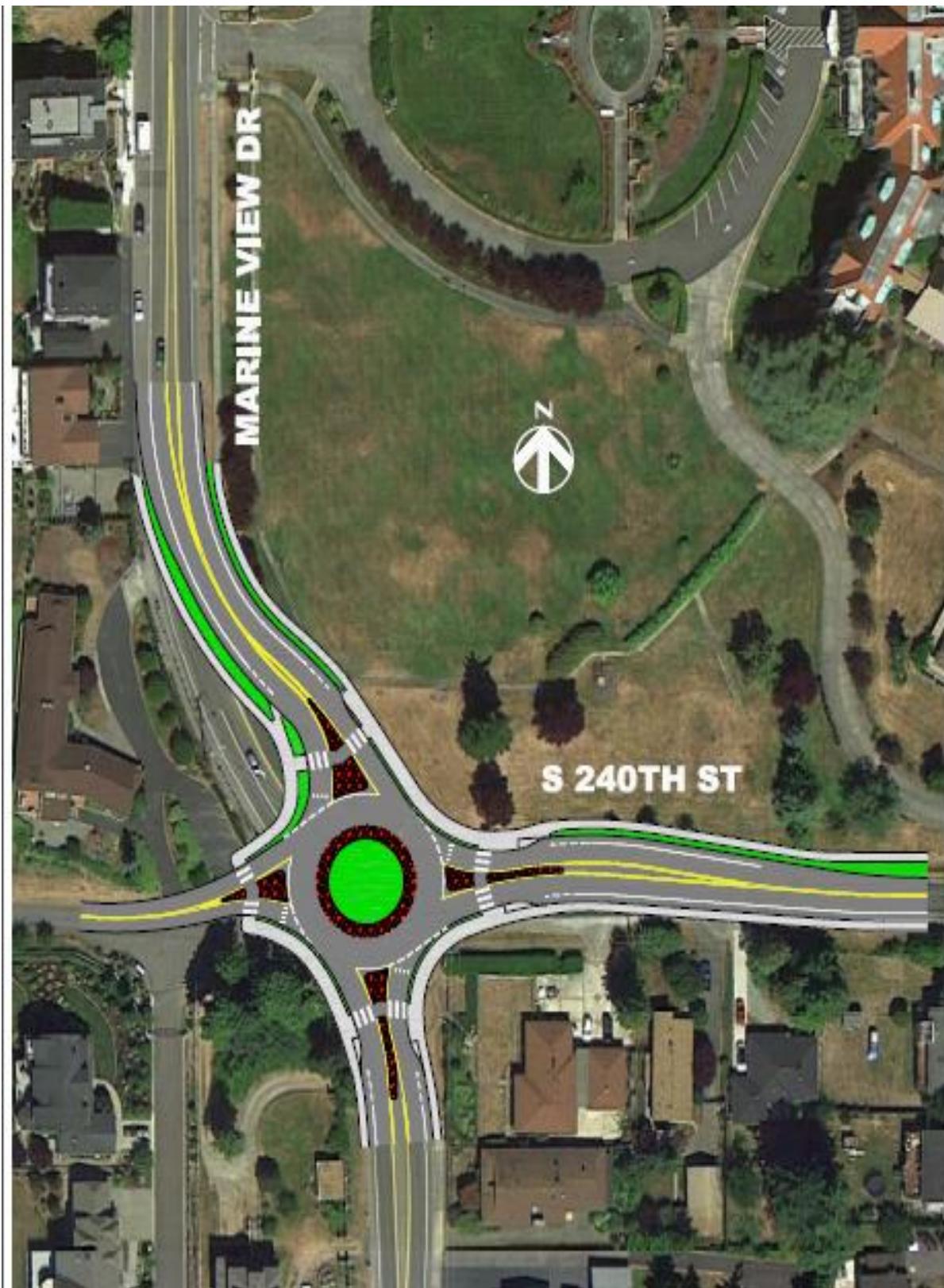
Funding Sources

| <i>Total Budget</i> | <i>Project to Date 12/31/15</i> | <i>Scheduled Year 2016</i> | <i>Plan Year 2017</i> | <i>Plan Year 2018</i> | <i>Plan Year 2019</i> | <i>Plan Year 2020</i> | <i>Plan Year 2021</i> | <i>Plan Year 2022</i> |
|--|---------------------------------|----------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| ASE (Automatic Speed Enforcement) GF X-fer | 75 | - | - | - | 25 | 50 | - | - |
| State of Washington Grants (Unconfirmed) | 645 | - | - | - | 50 | 595 | - | - |
| Total Funding | 720 | | | | 75 | 645 | | |

OPERATING IMPACT

| <i>Operating Impact</i> | <i>6 Year Total</i> | <i>2016</i> | <i>2017</i> | <i>2018</i> | <i>2019</i> | <i>2020</i> | <i>2021</i> | <i>2022</i> |
|-------------------------|---------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Revenue | - | - | - | - | - | - | - | - |
| Expenses | - | - | - | - | - | - | - | - |
| Net Impact | - | | | | | | | |

Marine View Dr Roundabout



CITY OF DES MOINES
2017-2022 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

| | |
|---------------------------|---------|
| Marine View Dr Roundabout | 319.608 |
|---------------------------|---------|

CIP Category: Transportation - Capital Project

Managing Department: Plan, Build & PW Admin

Justification/Benefits: The project will install a modern roundabout at this intersection which will reduce crash severity for all users, allowing safer mergers into circulating traffic, and provide more perception time for all users due to the lower vehicle speeds. There will be fewer overall conflict points and no left-turn conflicts. An environmental benefit minimizes delays with infrequent stops being required during off-peak periods. The improvement will provide an opportunity for pedestrian crossings of Marine View Drive under slower vehicle speed conditions. The circular island provides an opportunity for landscaping and/or gateway feature to enhance the community.

| PROJECT SCOPE | | ANNUAL ALLOCATION | | | | | | | |
|---------------------------|--------------|--------------------------|---------------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Expenditures | Total Budget | Project to Date 12/31/15 | Scheduled Year 2016 | Plan Year 2017 | Plan Year 2018 | Plan Year 2019 | Plan Year 2020 | Plan Year 2021 | Plan Year 2022 |
| Design | 160 | | | | 160 | | | | |
| Land & Right of Way | 200 | - | | | | 200 | | | |
| Construction | 1,500 | - | | | | 500 | 1,000 | | |
| Contingency | 212 | - | | | | 112 | 100 | | |
| Total Expenditures | 2,072 | | | | 160 | 812 | 1,100 | | |

| Funding Sources | | ANNUAL ALLOCATION | | | | | | | |
|--|--------------|--------------------------|---------------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Funding Sources | Total Budget | Project to Date 12/31/15 | Scheduled Year 2016 | Plan Year 2017 | Plan Year 2018 | Plan Year 2019 | Plan Year 2020 | Plan Year 2021 | Plan Year 2022 |
| Traffic in-Lieu | 783 | | | | - | 343 | 440 | | |
| Traffic Impact Fees - City Wide | 160 | | | | 160 | | - | | |
| State of Washington Grants (Unconfirmed) | 1,129 | | | | | 469 | 660 | | |
| Total Funding | 2,072 | | | | 160 | 812 | 1,100 | | |

| OPERATING IMPACT | | ANNUAL OPERATING IMPACT | | | | | | |
|------------------|--------------|-------------------------|------|------|------|------|------|------|
| Operating Impact | 6 Year Total | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 |
| Revenue | - | - | - | - | - | - | - | - |
| Expenses | - | - | - | - | - | - | - | - |

South 216th - Segment 3



City of Des Moines
South 216th Street - Segment 3
11th Avenue S to 19th Avenue S

**CITY OF DES MOINES
2017 -2022 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)**

| | |
|-------------------------|---------|
| South 216th - Segment 3 | 319.334 |
|-------------------------|---------|

CIP Category: Transportation - Capital Project

Managing Department: Plan, Build & PW Admin

Summary Project Description:

Widen roadway to provide center turn lane, bike lanes, curb, gutter and sidewalks between 11th Ave South and 19th Avenue South. If grant is unavailable then debt financing would be required or project schedule would need to be adjusted.

Justification/Benefits: The need for pedestrian facilities along South 216th Street is identified in the City's Comprehensive Transportation Plan and the Six Year Transportation Improvement Plan. South 216th Street has numerous multi-family developments that generate pedestrian traffic along the shoulder of the road. Pedestrians use this route to access bus stops, city buildings, and the Pacific Highway and Marine View Drive corridors.

| PROJECT SCOPE | | ANNUAL ALLOCATION | | | | | | | |
|--|--------------|--------------------------|---------------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Expenditures | Total Budget | Project to Date 12/31/15 | Scheduled Year 2016 | Plan Year 2017 | Plan Year 2018 | Plan Year 2019 | Plan Year 2020 | Plan Year 2021 | Plan Year 2022 |
| Design | 530 | - | | 159 | 371 | | | | |
| Land & Right of Way | 130 | - | | | 130 | | | | |
| Construction | 4,540 | - | | | | 4,540 | | | |
| Contingency | 450 | - | | | | 450 | | | |
| Total Expenditures | 5,650 | | | 159 | 501 | 4,990 | | | |
| Funding Sources | | Project to Date 12/31/15 | Scheduled Year 2016 | Plan Year 2017 | Plan Year 2018 | Plan Year 2019 | Plan Year 2020 | Plan Year 2021 | Plan Year 2022 |
| Traffic in-Lieu (Port) | 1,300 | | | | | 1,300 | | | |
| Traffic Impact Fees - City Wide | 420 | | | | 24 | 75 | 321 | | |
| State of Washington Grants (Unconfirmed) | 3,009 | | | | 135 | 426 | 2,448 | | |
| Federal Grants | 921 | | | | | 921 | | | |
| Total Funding | 5,650 | | | 159 | 501 | 4,990 | | | |
| OPERATING IMPACT | | | | | | | | | |
| Operating Impact | | 6 Year Total | | | | | | | |
| Revenue | | - | - | - | - | - | - | - | - |
| Expenses | | - | - | - | - | - | - | - | - |
| | | | | | | | | | |
| | | | | | | | | | |

South 236th Lane



**CITY OF DES MOINES
2017 -2022 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)**

| | |
|-------------------------|------------|
| South 236th Lane | 319 |
|-------------------------|------------|

CIP Category:

Managing Department:

Summary Project Description:

A 330 foot section of improved roadway between SR-99 and Highline College. Will include a two way left turn lane and pedestrian facilities.

Justification/Benefits: Capacity need for two-way traffic, pedestrian facilities and connection to future traffic signal at South 236th Land and SR-99.

| PROJECT SCOPE | | | ANNUAL ALLOCATION | | | | | | |
|---------------------------|---------------------|---------------------------------|----------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| <i>Expenditures</i> | <i>Total Budget</i> | <i>Project to Date 12/31/14</i> | <i>Scheduled Year 2015</i> | <i>Plan Year 2016</i> | <i>Plan Year 2017</i> | <i>Plan Year 2018</i> | <i>Plan Year 2019</i> | <i>Plan Year 2020</i> | <i>Plan Year 2021</i> |
| Design | 200 | | | | | 200 | | | |
| Land & Right of Way | 200 | | | | | | | 200 | |
| Construction | 1,600 | | | | | | | | 1,600 |
| Contingency | 191 | | | | | | | | 191 |
| Total Expenditures | 2,191 | | | | | | | 200 | 1,791 |

| Funding Sources | | | ANNUAL OPERATING IMPACT | | | | | |
|---------------------------------|---------------------------------|----------------------------|--------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| <i>Total Budget</i> | <i>Project to Date 12/31/14</i> | <i>Scheduled Year 2015</i> | <i>Plan Year 2016</i> | <i>Plan Year 2017</i> | <i>Plan Year 2018</i> | <i>Plan Year 2019</i> | <i>Plan Year 2020</i> | <i>Plan Year 2021</i> |
| Traffic in-Lieu | 1,091 | | | | 517 | | 574 | |
| Traffic Impact Fees - City Wide | 1,100 | | | | | | 1,100 | |
| Total Funding | 2,191 | | | | 517 | | 1,674 | |

| OPERATING IMPACT | | ANNUAL OPERATING IMPACT | | | | | | |
|-------------------------|---------------------|--------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|
| <i>Operating Impact</i> | <i>6 Year Total</i> | <i>2015</i> | <i>2016</i> | <i>2017</i> | <i>2018</i> | <i>2019</i> | <i>2020</i> | <i>2021</i> |
| Revenue | - | - | - | - | - | - | - | - |
| Expenses | - | - | - | - | - | - | - | - |
| Net Impact | - | - | - | - | - | - | - | - |

Redondo Area Street Improvement



**CITY OF DES MOINES
2017-2022 CAPITAL IMPROVEMENT PLAN**
(Amount in Thousands)

| | |
|---|----------------|
| Redondo Area Street Improvements | 319.610 |
|---|----------------|

CIP Category: Transportation - Capital Project

Managing Department: Plan, Build & PW Admin

Summary Project Description:

Project will install approximately nine street lights in the Redondo neighborhood area. The power will need to be extended underground to serve these new lights. The lights will be installed and maintained by Intolight (lighting division of PSE).

Justification/Benefits: The need for street lighting was identified in the Redondo Parking Management Study as a safety enhancement. There were several existing streets that had little to no lighting.

PROJECT SCOPE

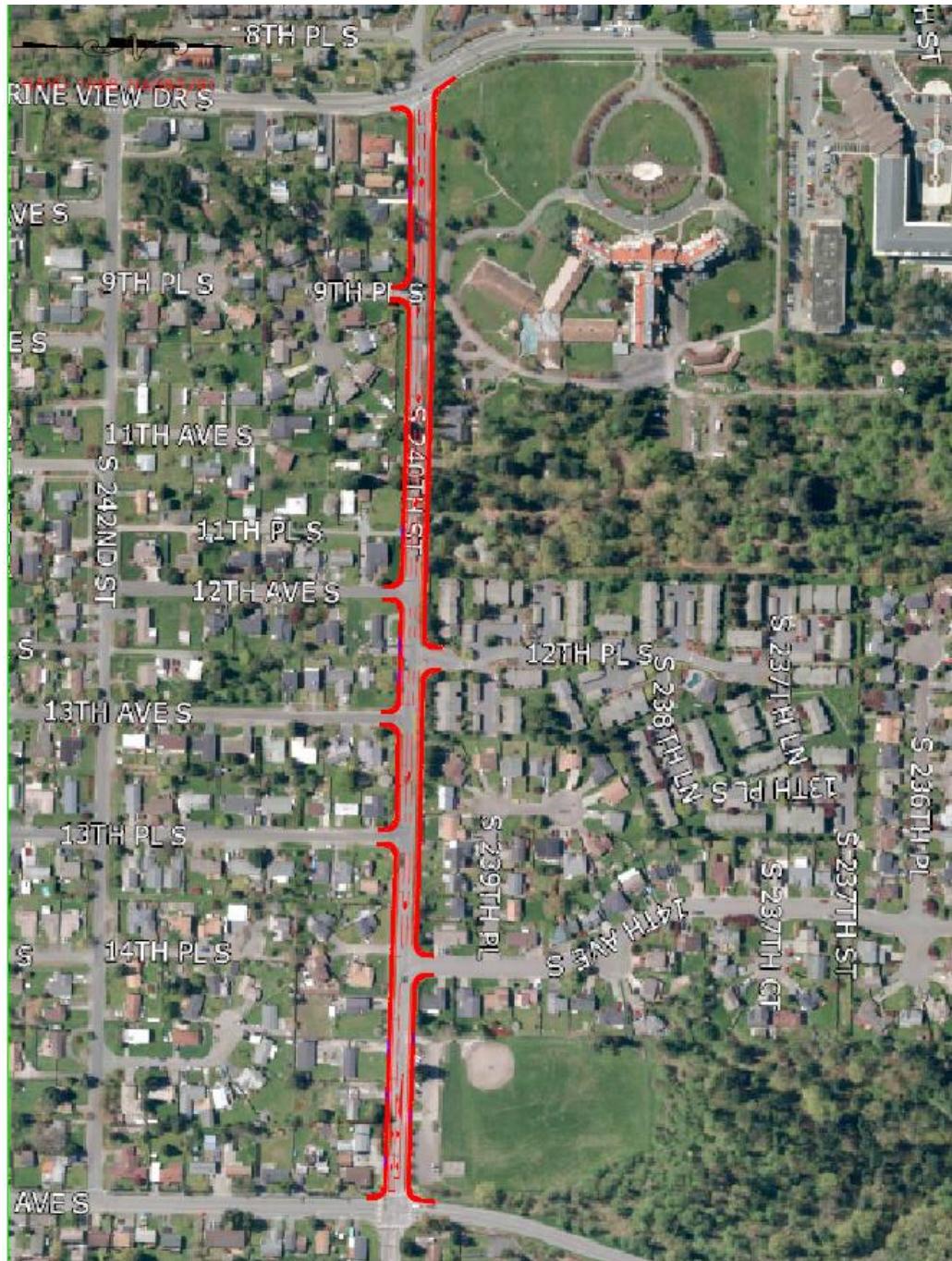
| <i>Expenditures</i> | <i>Total Budget</i> | <i>Scheduled Year</i> | <i>Plan Year</i> | <i>Plan Year</i> | <i>Plan Year</i> | <i>Plan Year</i> |
|---------------------------|---------------------|-----------------------|------------------|------------------|------------------|------------------|
| | 12/31/15 | 2016 | 2017 | 2018 | 2019 | 2020 |
| Design | 10 | - | | | | 10 |
| Land & Right of Way | - | | | | | |
| Construction | 60 | - | | | | 60 |
| Contingency | - | | | | | |
| Total Expenditures | 70 | | | | | 70 |

| <i>Funding Sources</i> | <i>Total Budget</i> | <i>Scheduled Year</i> | <i>Plan Year</i> | <i>Plan Year</i> | <i>Plan Year</i> | <i>Plan Year</i> |
|------------------------|---------------------|-----------------------|------------------|------------------|------------------|------------------|
| | 12/31/15 | 2016 | 2017 | 2018 | 2019 | 2020 |
| Redondo Zone Parking | 70 | - | | | | |
| Total Funding | 70 | | | | | 70 |

OPERATING IMPACT

| <i>Operating Impact</i> | <i>6 Year Total</i> | <i>2016</i> | <i>2017</i> | <i>2018</i> | <i>2019</i> | <i>2020</i> | <i>2021</i> | <i>2022</i> |
|-------------------------|---------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Revenue | - | - | - | - | - | - | - | - |
| Expenses | - | - | - | - | - | - | - | - |
| Net Impact | - | | | | | | | |

South 240th Street Improve - Seg 1



CITY OF DES MOINES
2017 -2022 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

South 240th Street Improve - Seg 1

319,206

CIP Category: Transportation - Capital Project

Managing Department: Plan, Build & PW Admin

Summary Project Description:

Widen roadway to three lanes between 16th Ave S and the East City limits and provide a continuous center turn lane, bike lanes, transit stops, curb, gutter and planters.

Justification/Benefits: The need for pedestrian and bicycle facilities along South 240th Street is identified in the City's Comprehensive Transportation Plan and the Six Year Transportation Improvement Plan. South 240th Street has residential properties and Highline College that generate pedestrian and bicycle traffic along the shoulder of the road. Pedestrians use this route to access bus stops, Highline College, and the Pacific Highway Corridor. Roadway widening is needed to increase capacity as well as develop a complete street serving vehicles, pedestrians, bicycles and transit.

PROJECT SCOPE

| <i>Expenditures</i> | | <i>ANNUAL ALLOCATION</i> | | | | | | | |
|---------------------------|---------------------|-----------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| | <i>Total Budget</i> | <i>Scheduled Date</i> 12/31/15 | <i>Plan Year</i> 2016 | <i>Plan Year</i> 2017 | <i>Plan Year</i> 2018 | <i>Plan Year</i> 2019 | <i>Plan Year</i> 2020 | <i>Plan Year</i> 2021 | <i>Plan Year</i> 2022 |
| Design | 435 | - | | | | | | 435 | |
| Land & Right of Way | 200 | - | | | | | | 200 | |
| Construction | 5,265 | - | | | | | | | 5,265 |
| Contingency | 400 | - | | | | | | 100 | 300 |
| Total Expenditures | 6,300 | | | | | | | 735 | 5,565 |

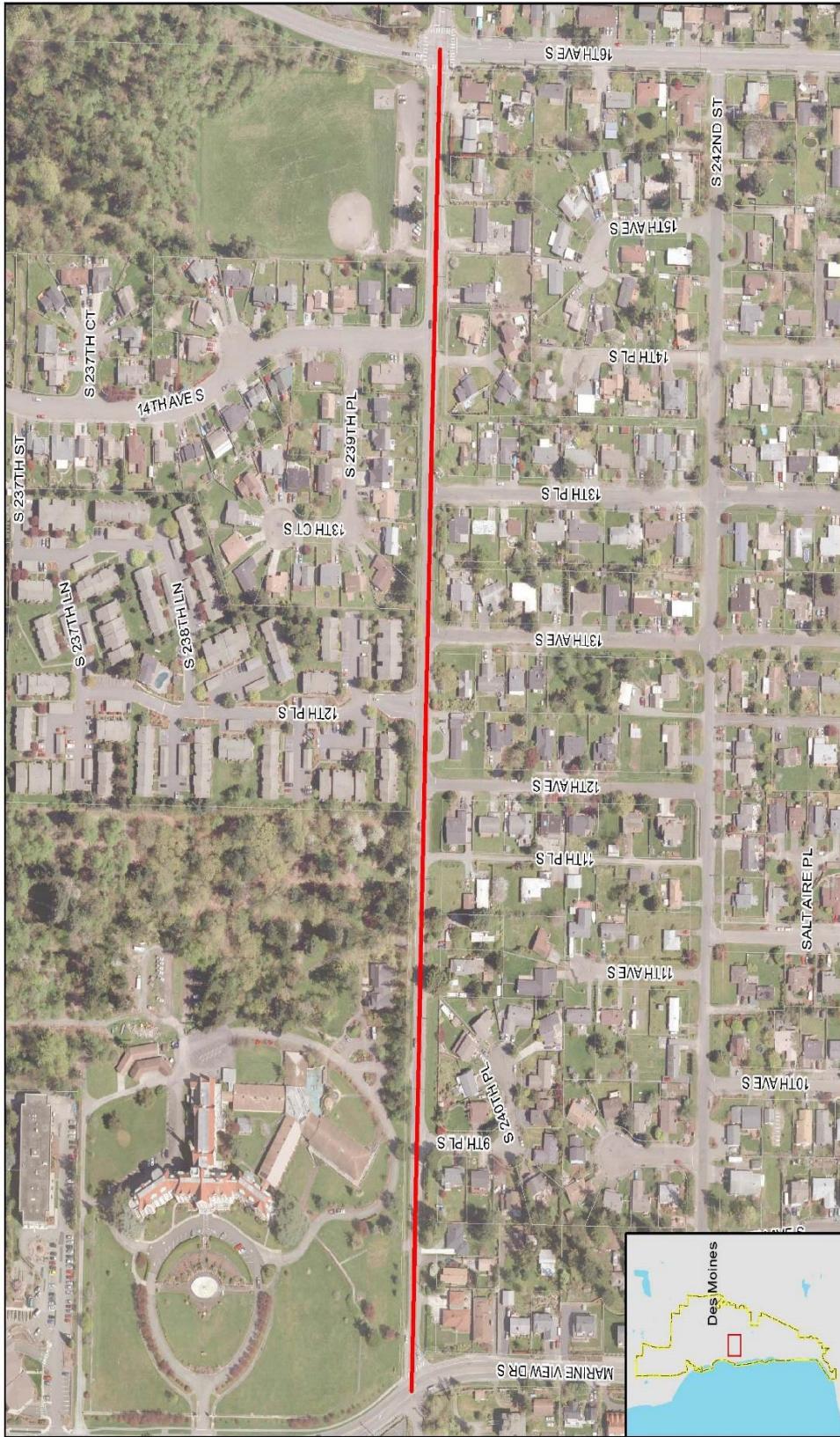
Funding Sources

| | | <i>ANNUAL OPERATING IMPACT</i> | | | | | | | |
|--|---------------------|-----------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| | <i>Total Budget</i> | <i>Scheduled Date</i> 12/31/15 | <i>Plan Year</i> 2016 | <i>Plan Year</i> 2017 | <i>Plan Year</i> 2018 | <i>Plan Year</i> 2019 | <i>Plan Year</i> 2020 | <i>Plan Year</i> 2021 | <i>Plan Year</i> 2022 |
| Local Grants (County, etc.) | 3,380 | - | | | | | | 365 | 3,015 |
| State of Washington Grants (Unconfirmed) | 2,670 | - | | | | | | 370 | 2,300 |
| Private Contributions | 250 | - | | | | | | 250 | |
| Total Funding | 6,300 | | | | | | | 735 | 5,565 |

OPERATING IMPACT

| | | <i>ANNUAL OPERATING IMPACT</i> | | | | | | | |
|-------------------|---------------------|--------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|--|
| | <i>6 Year Total</i> | <i>2016</i> | <i>2017</i> | <i>2018</i> | <i>2019</i> | <i>2020</i> | <i>2021</i> | <i>2022</i> | |
| Revenue | - | - | - | - | - | - | - | - | |
| Expenses | - | - | - | - | - | - | - | - | |
| Net Impact | - | | | | | | | | |

South 240th Street Improve - Seg 2



**CITY OF DES MOINES
2017 -2022 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)**

South 240th Street Improve - Seg 2

319.207

CIP Category: Transportation - Capital Project

Managing Department: Plan, Build & PW Admin

Summary Project Description:

Widen roadway to three lanes between Marine View Drive and 16th Ave South and provide a continuous center turn lane, bike lanes, transit stops, curb, gutter and planters.

Justification/Benefits: The need for pedestrian and bicycle facilities along South 240th Street is identified in the City's Comprehensive Transportation Plan and the Six Year Transportation Improvement Plan. South 240th Street has residential properties and Highline College that generate pedestrian and bicycle traffic along the shoulder of the road. Pedestrians use this route to access bus stops, Highline College, and the Pacific Highway Corridor.

Roadway widening is needed to increase capacity as well as develop a complete street serving vehicles pedestrians, bicycles and transit.

| PROJECT SCOPE | | ANNUAL ALLOCATION | | | | | | | |
|---------------------------|---------------------|--------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| <i>Expenditures</i> | <i>Total Budget</i> | <i>Scheduled Date</i> | <i>Plan Year 2016</i> | <i>Plan Year 2017</i> | <i>Plan Year 2018</i> | <i>Plan Year 2019</i> | <i>Plan Year 2020</i> | <i>Plan Year 2021</i> | <i>Plan Year 2022</i> |
| Design | 335 | - | | | | | | 335 | |
| Land & Right of Way | 50 | - | | | | | | 50 | |
| Construction | 4,165 | - | | | | | | 4,165 | |
| Contingency | 300 | - | | | | | | 50 | 250 |
| Total Expenditures | 4,850 | - | - | - | - | - | - | 4,35 | 4,415 |

| Funding Sources | | ANNUAL ALLOCATION | | | | | | | |
|--|--------------|----------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|--|
| <i>Total Budget</i> | <i>Date</i> | <i>Scheduled Year 2016</i> | <i>Plan Year 2017</i> | <i>Plan Year 2018</i> | <i>Plan Year 2019</i> | <i>Plan Year 2020</i> | <i>Plan Year 2021</i> | <i>Plan Year 2022</i> | |
| Traffic in-Lieu | 2,900 | | | | | | 235 | 2,665 | |
| State of Washington Grants (Unconfirmed) | 1,750 | | | | | | 200 | 1,550 | |
| Private Contributions | 200 | | | | | | 200 | | |
| Total Funding | 4,850 | - | - | - | - | - | 635 | 4,215 | |

| ANNUAL OPERATING IMPACT | | | | | | | | | |
|--------------------------------|---------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| <i>Operating Impact</i> | <i>6 Year Total</i> | <i>2016</i> | <i>2017</i> | <i>2018</i> | <i>2019</i> | <i>2020</i> | <i>2021</i> | <i>2022</i> | <i>2023</i> |
| Revenue | - | - | - | - | - | - | - | - | - |
| Expenses | - | - | - | - | - | - | - | - | - |
| Net Impact | - | - | - | - | - | - | - | - | - |

Kent Des Moines Rd Segment 2



**CITY OF DES MOINES
2017 -2022 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)**

| | |
|----------------------------|---------|
| Kent-Des Moines Rd - Seg 2 | 319.344 |
|----------------------------|---------|

CIP Category: Transportation - Capital Project

Managing Department: Plan, Build & PW Admin

Justification/Benefits: The need for pedestrian and bicycle facilities along Kent-Des Moines Road is identified in the City's Comprehensive Transportation Plan and the Six Year Transportation Improvement Plan. Kent-Des Moines Rd has numerous multi-family developments, that generate pedestrian and bicycle traffic along the shoulder of the road. Pedestrians use this route to access bus stops, Highline College, and the Pacific Highway Corridor. Roadway widening is needed to increase capacity as well as develop a complete street serving vehicles pedestrians, bicycles and transit.

PROJECT SCOPE

| Expenditures | Total Budget | Project to Date 12/31/15 | Scheduled Year 2016 | Plan Year 2017 | Plan Year 2018 | Plan Year 2019 | Plan Year 2020 | Plan Year 2021 | Plan Year 2022 |
|---------------------------|--------------|--------------------------|---------------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Design | 485 | - | | | | | | | 485 |
| Land & Right of Way | 500 | - | | | | | | | 500 |
| Construction | 5,815 | - | | | | | | | 5,815 |
| Contingency | 400 | - | | | | | | | 400 |
| Total Expenditures | 7,200 | | | | | | | 985 | 6,215 |

Funding Sources

| Funding Sources | Total Budget | Project to Date 12/31/15 | Scheduled Year 2016 | Plan Year 2017 | Plan Year 2018 | Plan Year 2019 | Plan Year 2020 | Plan Year 2021 | Plan Year 2022 |
|--|--------------|--------------------------|---------------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Traffic in-Lieu | 20 | | | | | | | | 20 |
| Local Grants (County, etc.) | 3,600 | | | | | | | | 635 |
| State of Washington Grants (Unconfirmed) | 3,000 | | | | | | | | 3,000 |
| Private Contributions | 250 | | | | | | | | 250 |
| Total Funding | 7,200 | | | | | | | 985 | 6,215 |

OPERATING IMPACT

| Operating Impact | 6 Year Total | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 |
|-------------------|--------------|------|------|------|------|------|------|------|
| Revenue | - | - | - | - | - | - | - | - |
| Expenses | - | - | - | - | - | - | - | - |
| Net Impact | - | | | | | | | |

SeaTac Signal Improvements



**CITY OF DES MOINES
2017-2022 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)**

| | |
|----------------------------|---------|
| SeaTac Signal Improvements | 319.613 |
|----------------------------|---------|

CIP Category: Transportation - Capital Project

Managing Department: Plan, Build & PW Admin

Summary Project Description:

Des Moines Memorial Dr and South 200th Street. 1/4th cost of total improvements to install left turn lanes at all four approaches with curb, gutter and sidewalk. City of SeaTac is lead agency. project represents Des Moines share payable to SeaTac.

Justification/Benefits: Des Moines Memorial Dr and South 200th Street lack left turn pockets on all four legs as well as sidewalks and bike lanes.

PROJECT SCOPE

| Expenditures | Total Budget | Project to Date 12/31/15 | | | Plan Year 2016 | | | Plan Year 2017 | | | Plan Year 2018 | | | Plan Year 2019 | | | Plan Year 2020 | | | Plan Year 2021 | | | Plan Year 2022 | | |
|---------------------------|--------------|--------------------------|----------|----------|----------------|----------|----------|----------------|----------|----------|----------------|----------|----------|----------------|----------|----------|----------------|----------|----------|----------------|----------|----------|----------------|------------|--|
| | | Scheduled Year | Year | Year | Year | Year | |
| Design | 50 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 50 | |
| Land & Right of Way | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 300 | |
| Construction | 300 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Contingency | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Total Expenditures | 350 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 350 | |

ANNUAL ALLOCATION

| Funding Sources | Total Budget | Project to Date 12/31/15 | | | Plan Year 2016 | | | Plan Year 2017 | | | Plan Year 2018 | | | Plan Year 2019 | | | Plan Year 2020 | | | Plan Year 2021 | | | Plan Year 2022 | | |
|---------------------------------|--------------|--------------------------|----------|----------|----------------|----------|----------|----------------|----------|----------|----------------|----------|----------|----------------|----------|----------|----------------|----------|----------|----------------|----------|----------|----------------|------------|--|
| | | Scheduled Year | Year | Year | Year | | |
| Traffic Impact Fees - City Wide | 350 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 350 | |
| Total Funding | 350 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 350 | |

ANNUAL OPERATING IMPACT

| Operating Impact | 6 Year Total | 2016 | | | 2017 | | | 2018 | | | 2019 | | | 2020 | | | 2021 | | | 2022 | | |
|------------------|--------------|---------|----------|------------|---------|----------|------------|---------|----------|------------|---------|----------|------------|---------|----------|------------|---------|----------|------------|------|---|---|
| | | Revenue | Expenses | Net Impact | | | |
| Revenue | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Expenses | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

Marina Boat Yard Building



CITY OF DES MOINES
2017-2022 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

| | |
|-----------------------------|------------|
| Marina Boat Building | 403 |
|-----------------------------|------------|

CIP Category: Marina Capital Improvements

Managing Department: Marina

Summary Project Description:

Build 10,000 sq foot building to provide space for current boat yard tenant to expand and provide retail space for new boat sale show room.

Justification/Benefits: A new building and expanded open space provides for expanded economic development on the Marina floor engaging businesses compatible with an operating Marina. New building and open space lease provides for on-going revenue source for the Marina and additional on-going tax base enhancements for the general fund.

| PROJECT SCOPE | ANNUAL ALLOCATION | | | | | |
|---------------------------|-------------------------------------|--------------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
| | <i>Project to Date 12/31/15</i> | <i>Scheduled Year 2016</i> | <i>Plan Year 2017</i> | <i>Plan Year 2018</i> | <i>Plan Year 2019</i> | <i>Plan Year 2020</i> |
| Expenditures | | | | | | |
| Total Budget | | | | | | |
| Design | - | | | | | |
| Land & Right of Way | - | | | | | |
| Construction | 300 | | 300 | | | |
| Contingency | - | | | | | |
| Total Expenditures | 300 | | 300 | | | |

| Funding Sources | ANNUAL OPERATING IMPACT | | | | | |
|------------------------|-------------------------------------|--------------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
| | <i>Project to Date 12/31/15</i> | <i>Scheduled Year 2016</i> | <i>Plan Year 2017</i> | <i>Plan Year 2018</i> | <i>Plan Year 2019</i> | <i>Plan Year 2020</i> |
| Total Budget | | | | | | |
| Marina Rates | 300 | | 300 | | | |
| Total Funding | 300 | | 300 | | | |

| OPERATING IMPACT | ANNUAL OPERATING IMPACT | | | | | |
|-------------------------|--------------------------------|---------------------|-------------|-------------|-------------|-------------|
| | <i>Operating Impact</i> | <i>6 Year Total</i> | <i>2017</i> | <i>2018</i> | <i>2019</i> | <i>2020</i> |
| Revenue | - | - | - | - | - | - |
| Expenses | - | - | - | - | - | - |
| Net Impact | - | - | - | - | - | - |

Dock Electrical Replacements



06/19/2015 12:24

**CITY OF DES MOINES
2017 -2022 CAPITAL IMPROVEMENT PLAN**
(Amount in Thousands)

| | |
|------------------------------|-----|
| Dock Electrical Replacements | 403 |
|------------------------------|-----|

CIP Category: Marina Capital Improvements

Managing Department: Marina

Summary Project Description:

Install new shore power pedestals and distribution wiring on docks H,I,J,K and L.

Justification/Benefits: The new electrical wiring will reduce the risk of fire as well as provide upgraded service to Marina tenants. These docks are 45 years old and still have the original shore power boxes and wiring. Most of the shore power boxes have been upgraded to 30 amps from the original 15 amp service to meet the demands of the new boats but the wiring has not been replaced with larger wire size to accommodate the increased demand.

| PROJECT SCOPE | | ANNUAL ALLOCATION | | | | | |
|---------------------------|---------------------|---------------------------------|----------------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| <i>Expenditures</i> | <i>Total Budget</i> | <i>Project to Date 12/31/15</i> | <i>Scheduled Year 2016</i> | <i>Plan Year 2017</i> | <i>Plan Year 2018</i> | <i>Plan Year 2019</i> | <i>Plan Year 2020</i> |
| Design | - | - | - | - | - | - | - |
| Land & Right of Way | - | - | - | - | - | - | - |
| Construction | 360 | - | 60 | 60 | - | 60 | 60 |
| Contingency | - | - | - | - | - | - | - |
| Total Expenditures | 360 | - | 60 | 60 | - | 60 | 60 |

| Funding Sources | | ANNUAL OPERATING IMPACT | | | | | |
|------------------------|---------------------|---------------------------------|----------------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| <i>Total Budget</i> | <i>Marina Rates</i> | <i>Project to Date 12/31/15</i> | <i>Scheduled Year 2016</i> | <i>Plan Year 2017</i> | <i>Plan Year 2018</i> | <i>Plan Year 2019</i> | <i>Plan Year 2020</i> |
| 360 | - | - | 60 | 60 | - | 60 | 60 |
| Total Funding | 360 | - | 60 | 60 | - | 60 | 60 |

| OPERATING IMPACT | | ANNUAL OPERATING IMPACT | | | | | |
|-------------------------|---------------------|--------------------------------|-------------|-------------|-------------|-------------|-------------|
| <i>Operating Impact</i> | <i>6 Year Total</i> | <i>2016</i> | <i>2017</i> | <i>2018</i> | <i>2019</i> | <i>2020</i> | <i>2021</i> |
| Revenue | - | - | - | - | - | - | - |
| Expenses | - | - | - | - | - | - | - |
| Net Impact | - | - | - | - | - | - | - |

Marina Gate Security



05/18/2016 14:22

CITY OF DES MOINES
2017-2022 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

| | |
|----------------------|---------|
| Marina Gate Security | 403,453 |
|----------------------|---------|

CIP Category: Marina Capital Improvements

Managing Department: Marina

Summary Project Description:

This project will replace the current gate security system with a new card reader system. The current system was installed in 1998 and many of the hardware components are no longer being manufactured. A new system will incorporate the latest security hardware and software and will be serviceable for another 15 to 20 years.

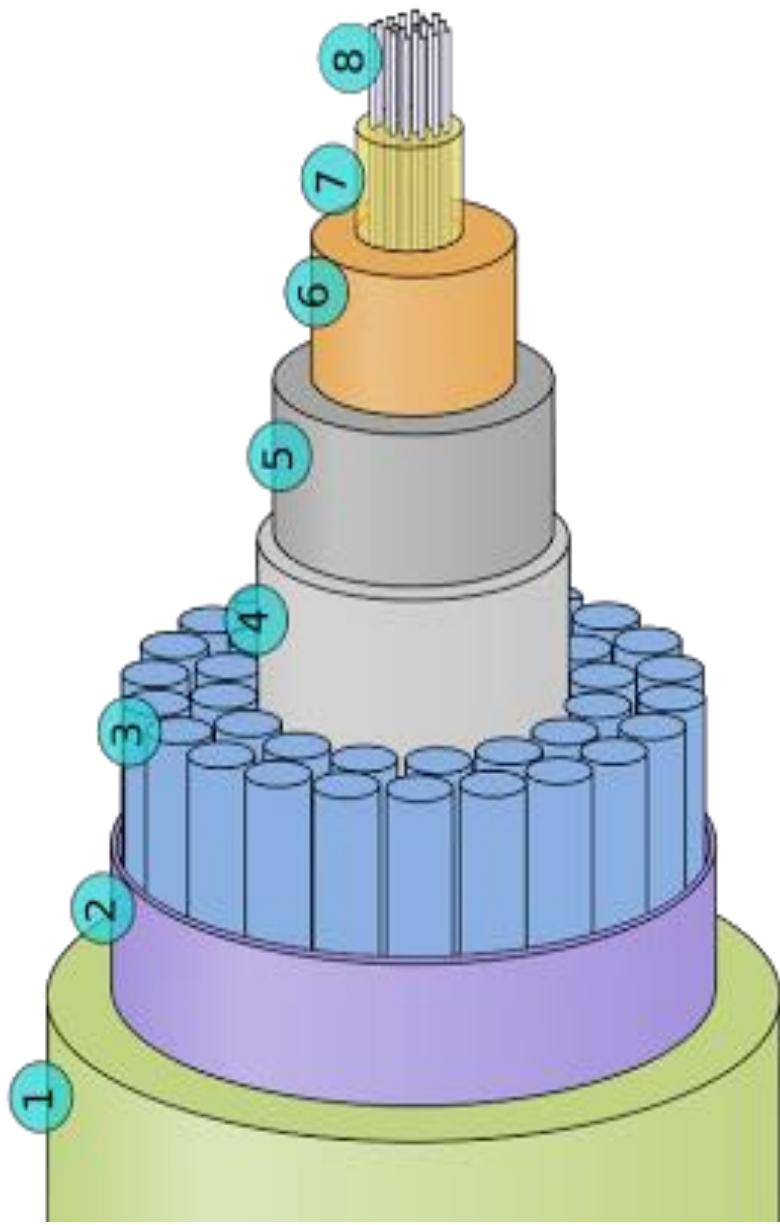
Justification/Benefits: The new electrical wiring will reduce the risk of fire as well as provide upgraded service to Marina tenants. These docks are 45 years old and still have the original shore power boxes and wiring. Most of the shore power boxes have been upgraded to 30 amps from the original 15 amp service to meet the demands of the new boats but the wiring has not been replaced with larger wire size to accommodate the increased demand.

| PROJECT SCOPE | | ANNUAL ALLOCATION | | | | | | |
|---------------------------|--------------|-------------------|----------------|-----------|-----------|-----------|-----------|-----------|
| Expenditures | Total Budget | Project to Date | Scheduled Year | Plan Year |
| Design | 12/31/15 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 |
| Land & Right of Way | - | | | | | | | |
| Construction | 40 | | | 40 | | | | |
| Contingency | - | | | | | | | |
| Total Expenditures | 40 | | | | 40 | | | |

| Funding Sources | | ANNUAL OPERATING IMPACT | | | | | | |
|------------------|--------------|-------------------------|------|------|------|------|------|------|
| Operating Impact | 6 Year Total | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 |
| Revenue | - | - | - | - | - | - | - | - |
| Expenses | - | - | - | - | - | - | - | - |

| OPERATING IMPACT | | ANNUAL OPERATING IMPACT | | | | | | |
|------------------|--------------|-------------------------|------|------|------|------|------|------|
| Operating Impact | 6 Year Total | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 |
| Revenue | - | - | - | - | - | - | - | - |
| Expenses | - | - | - | - | - | - | - | - |

Marina Fiber Optic Cable



**CITY OF DES MOINES
2017 -2022 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)**

| | |
|--------------------------|-----|
| Marina Fiber Optic Cable | 403 |
|--------------------------|-----|

CIP Category: Marina Capital Improvements

Managing Department: Information Technology

Summary Project Description:

This project will install a fiber optic cable from the Public Works Service Center to the Marina office, connecting the Marina's network to the City's network.

Justification/Benefits: Connecting the Marina network to the City's network will allow for the cancellation of the separate Comcast internet and phone service to the Marina office, will facilitate moving separate Marina servers to a consolidated location, will provide remote viewing of security cameras by the Police Department and will allow for remote management of parking equipment.

| PROJECT SCOPE | | ANNUAL ALLOCATION | | | | | | | |
|---------------------------|---------------------|---------------------------------|----------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| <i>Expenditures</i> | <i>Total Budget</i> | <i>Project to Date 12/31/15</i> | <i>Scheduled Year 2016</i> | <i>Plan Year 2017</i> | <i>Plan Year 2018</i> | <i>Plan Year 2019</i> | <i>Plan Year 2020</i> | <i>Plan Year 2021</i> | <i>Plan Year 2022</i> |
| Design | - | | | | | | | | |
| Land & Right of Way | - | | | | | | | | |
| Construction | 150 | | | | 150 | | | | |
| Contingency | - | | | | | | | | |
| Total Expenditures | 150 | | | | | | 150 | | |

| Funding Sources | | ANNUAL OPERATING IMPACT | | | | | | | |
|------------------------|----------------------|---------------------------------|----------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| <i>Total Budget</i> | <i>Total Funding</i> | <i>Project to Date 12/31/15</i> | <i>Scheduled Year 2016</i> | <i>Plan Year 2017</i> | <i>Plan Year 2018</i> | <i>Plan Year 2019</i> | <i>Plan Year 2020</i> | <i>Plan Year 2021</i> | <i>Plan Year 2022</i> |
| Marina Rates | 150 | | | | 150 | | | | |
| Total Funding | 150 | | | | | | 150 | | |

| OPERATING IMPACT | | ANNUAL OPERATING IMPACT | | | | | | | |
|-------------------------|---------------------|--------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|--|
| <i>Operating Impact</i> | <i>6 Year Total</i> | <i>2016</i> | <i>2017</i> | <i>2018</i> | <i>2019</i> | <i>2020</i> | <i>2021</i> | <i>2022</i> | |
| Revenue | - | - | - | - | - | - | - | - | |
| Expenses | (36) | - | (6) | (6) | (6) | (6) | (6) | (6) | |
| Net Impact | (36) | | (6) | (6) | (6) | (6) | (6) | (6) | |

Fuel Dispenser



06/19/2015 12:16

CITY OF DES MOINES
2017 -2022 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

| | |
|----------------|-----|
| Fuel Dispenser | 403 |
|----------------|-----|

CIP Category: Marina Capital Improvements

Managing Department: Marina

| <i>Summary Project Description:</i> | |
|-------------------------------------|--|
| Replace fuel dispensers. | |

Justification/Benefits: By 2018 the fuel dispensers will be 20 years old. The dispensers are essentially a small computer in a stainless steel box. They are now obsolete. New dispensers will allow the Marina to take advantage of the latest technology and software for controlling fuel inventory.

| <i>PROJECT SCOPE</i> | | <i>ANNUAL ALLOCATION</i> | | | | | | | |
|---------------------------|---------------------|---------------------------------|----------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| <i>Expenditures</i> | <i>Total Budget</i> | <i>Project to Date 12/31/15</i> | <i>Scheduled Year 2016</i> | <i>Plan Year 2017</i> | <i>Plan Year 2018</i> | <i>Plan Year 2019</i> | <i>Plan Year 2020</i> | <i>Plan Year 2021</i> | <i>Plan Year 2022</i> |
| Design | - | - | - | - | - | - | - | - | - |
| Land & Right of Way | - | - | - | - | - | - | - | - | - |
| Construction | 60 | - | - | - | - | 60 | - | - | - |
| Contingency | - | - | - | - | - | - | - | - | - |
| Total Expenditures | 60 | | | | | 60 | | | |

| <i>Funding Sources</i> | | <i>ANNUAL ALLOCATION</i> | | | | | | | |
|------------------------|---------------------------------|----------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|--|
| <i>Total Budget</i> | <i>Project to Date 12/31/15</i> | <i>Scheduled Year 2016</i> | <i>Plan Year 2017</i> | <i>Plan Year 2018</i> | <i>Plan Year 2019</i> | <i>Plan Year 2020</i> | <i>Plan Year 2021</i> | <i>Plan Year 2022</i> | |
| Marina Rates | 60 | - | - | - | 60 | - | - | - | |
| Total Funding | 60 | | | | 60 | | | | |

| <i>OPERATING IMPACT</i> | | <i>ANNUAL OPERATING IMPACT</i> | | | | | | | |
|-------------------------|---------------------|--------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|--|
| <i>Operating Impact</i> | <i>6 Year Total</i> | <i>2016</i> | <i>2017</i> | <i>2018</i> | <i>2019</i> | <i>2020</i> | <i>2021</i> | <i>2022</i> | |
| Revenue | - | - | - | - | - | - | - | - | |
| Expenses | - | - | - | - | - | - | - | - | |
| Net Impact | - | | | | | | | | |

Marina Dock Replacement



CITY OF DES MOINES
2017 -2022 CAPITAL IMPROVEMENT PLAN
 (Amount in Thousands)

| | |
|-------------------------|-----|
| Marina Dock Replacement | 403 |
|-------------------------|-----|

CIP Category: Marina Capital Improvements

Managing Department: Marina

Justification/Benefits:

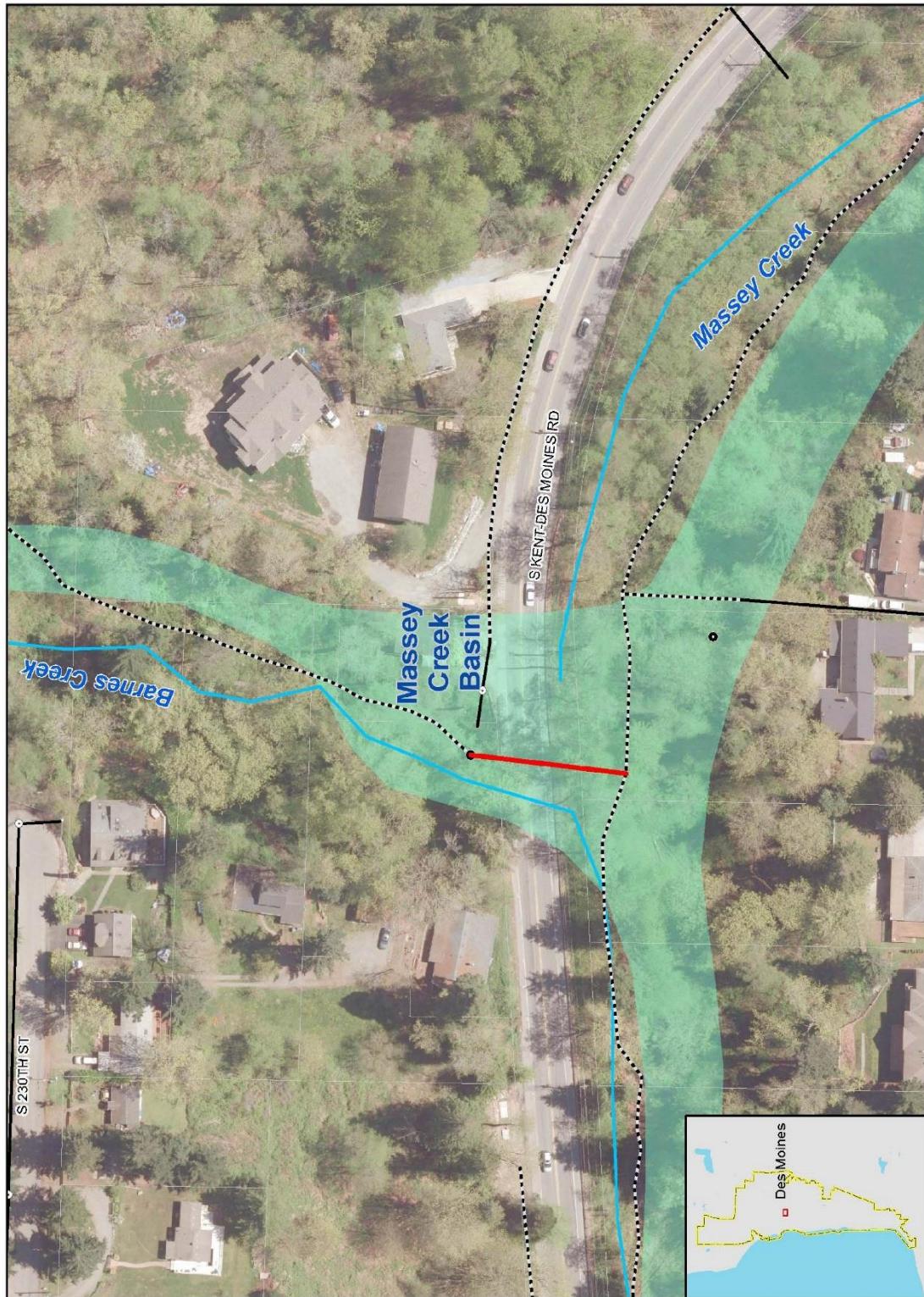
| <i>Summary Project Description:</i> | |
|---|--|
| This project creates a set aside to accumulate funds for the purchase of a full dock replacement. When sufficient funds are accumulated a replacement dock will be installed. | |

| <i>PROJECT SCOPE</i> | | <i>ANNUAL ALLOCATION</i> | | | | | |
|---------------------------|---------------------|---|------------------|------------------|------------------|------------------|------------------|
| <i>Expenditures</i> | <i>Total Budget</i> | <i>Project to Date</i> <i>Scheduled Year</i> | <i>Plan Year</i> |
| Design | - | 12/31/15 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
| Land & Right of Way | - | | | | | | |
| Construction | 1,200 | | | | | | 1,200 |
| Contingency | - | | | | | | |
| Total Expenditures | 1,200 | | | | | | 1,200 |

| <i>Funding Sources</i> | | <i>ANNUAL ALLOCATION</i> | | | | | |
|------------------------|--------------|---|------------------|------------------|------------------|------------------|------------------|
| <i>Total Budget</i> | <i>Year</i> | <i>Project to Date</i> <i>Scheduled Year</i> | <i>Plan Year</i> |
| Marina Rates | 1,200 | 12/31/15 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
| Total Funding | 1,200 | | | | | | 1,200 |

| <i>OPERATING IMPACT</i> | | <i>ANNUAL OPERATING IMPACT</i> | | | | | |
|-------------------------|---------------------|--------------------------------|-------------|-------------|-------------|-------------|-------------|
| <i>Operating Impact</i> | <i>6 Year Total</i> | <i>2017</i> | <i>2018</i> | <i>2019</i> | <i>2020</i> | <i>2021</i> | <i>2022</i> |
| Revenue | - | - | - | - | - | - | - |
| Expenses | - | - | - | - | - | - | - |
| Net Impact | - | - | - | - | - | - | - |

Barnes Crk/Kent-Des Moines Rd Culvert



**CITY OF DES MOINES
2017 -2022 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)**

| | |
|---------------------------------------|-----|
| Barnes Crk/Kent-Des Moines Rd Culvert | 451 |
|---------------------------------------|-----|

CIP Category: Surface Water Mgmt

Managing Department: Plan, Build & PW Admin

Summary Project Description:

Project improvements will include the installation of 80 to 100 feet of 48-inch or 60-inch diameter culvert or possibly the construction of a box culvert, depending on the method of construction and current fisheries requirements. Due to the depth of culvert and the high traffic of Kent-Des Moines Road, use of boring or other trench-less technology will be explored. The dramatic elevation change from upstream to downstream and the need to moderate velocity for fish passage may require that a special energy dissipater and/or fish ladder be installed at the culvert outlet.

Justification/Benefits: This culvert replacement is needed to convey peak predicted flows without flooding Kent-Des Moines Road. At this point a new 42- to 48-inch reinforced concrete pipe culvert is planned to replace the existing undersized culvert. However, the new pipe size will need to be designed to meet current Hydraulic Code to allow both high- and low-flow fish passage. An energy dissipater will be included at the downstream end of the culvert (with a fish ladder). This project was identified in the Lower Massey Creek Basin Plan and Alternative Analysis. A culvert survey made in 2015 indicated the existing culvert is in poor condition.

PROJECT SCOPE

| | Total Budget | Scheduled Year | Plan Year | Plan Year | Plan Year | Plan Year |
|---------------------------|--------------|----------------|------------|------------|--------------|-----------|
| Project to Date | 12/31/15 | 2016 | 2017 | 2018 | 2019 | 2020 |
| Design | 423 | 20 | 225 | 178 | | |
| Land & Right of Way | - | - | | | | |
| Construction | 1,155 | - | | | 1,155 | |
| Contingency | 300 | 300 | | | | |
| Total Expenditures | 1,878 | 320 | 225 | 178 | 1,155 | - |

ANNUAL ALLOCATION

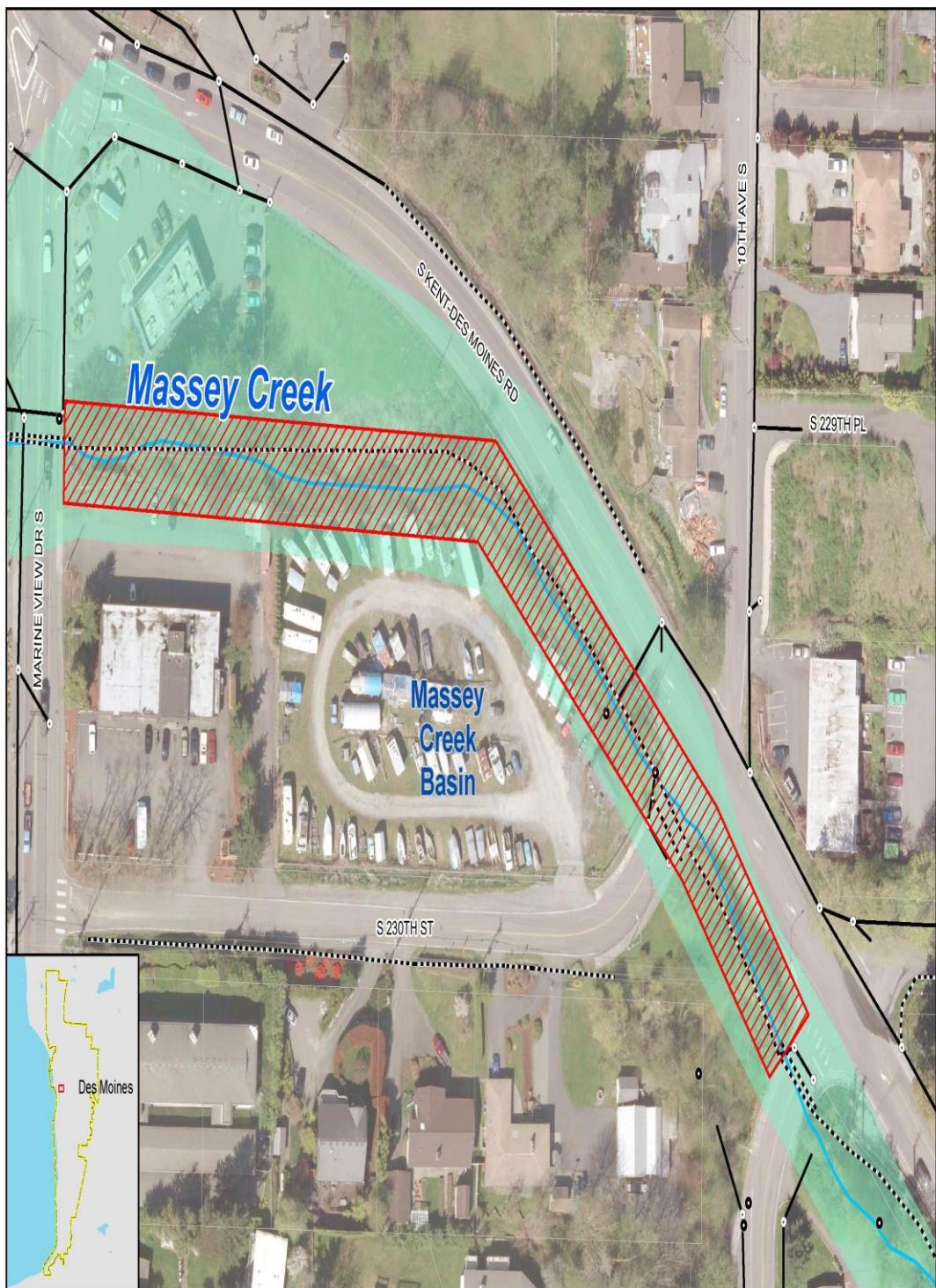
| | Project to Date | Scheduled Year | Plan Year | Plan Year | Plan Year | Plan Year |
|---------------------------|-----------------|----------------|------------|------------|--------------|-----------|
| Project to Date | 12/31/15 | 2016 | 2017 | 2018 | 2019 | 2020 |
| Design | 423 | 20 | 225 | 178 | | |
| Land & Right of Way | - | - | | | | |
| Construction | 1,155 | - | | | 1,155 | |
| Contingency | 300 | 300 | | | | |
| Total Expenditures | 1,878 | 320 | 225 | 178 | 1,155 | - |

| | Funding Sources | Total Budget | Scheduled Year | Plan Year | Plan Year | Plan Year | Plan Year |
|-----------------------|-----------------|--------------|----------------|------------|--------------|-----------|-----------|
| Project to Date | 12/31/15 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
| Surface Water Utility | 1,878 | 304 | 241 | 178 | 1,155 | | |
| Total Funding | 1,878 | 304 | 241 | 178 | 1,155 | - | - |

ANNUAL OPERATING IMPACT

| | Operating Impact | 6 Year Total | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 |
|-------------------|------------------|--------------|----------|----------|----------|----------|----------|----------|----------|
| Revenue | - | - | - | - | - | - | - | - | - |
| Expenses | - | - | - | - | - | - | - | - | - |
| Net Impact | - | - | - | - | - | - | - | - | - |

Lower Massey Creek Channel Modifications



CITY OF DES MOINES
2017-2022 CAPITAL IMPROVEMENT PLAN
 (Amount in Thousands)

| | |
|---|----------------|
| Lower Massey Creek Channel Modifications | 451.821 |
|---|----------------|

CIP Category: Surface Water Mgmt

Managing Department: Plan, Build & PW Admin

Summary Project Description:

This project involves widening the Massey Creek channel between 10th Avenue South and the Taco Time property east of Marine View Drive, berthing the north side of the creek, constructing a sheetpile floodwall on the south side of the creek, installing a small pump station, installing native plantings along the stream, removing invasive species and installing stream fish habitat features such as woody debris, stream boulders and bank logs. External funding is provided from King County with two grants: \$200K Flood Reduction Grant and \$196 Regional Opportunity Grant.

Justification/Benefits: The purpose of the improvements is to enhance habitat along this portion of Massey Creek, improve flood capacity of the channel and reduce intersection flooding at Kent-Des Moines Road and Marine View Drive. Land for this project was purchased in 1998. This project is identified in the 1992 Massey Creek Basin Plan and the 1994 Lower Massey Creek Flood Alternative Analysis.

| PROJECT SCOPE | | ANNUAL ALLOCATION | | | | | | | |
|---------------------------|---------------------|---------------------------------|----------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| | Expenditures | Project to Date 12/31/15 | Scheduled Year 2016 | Plan Year 2017 | Plan Year 2018 | Plan Year 2019 | Plan Year 2020 | Plan Year 2021 | Plan Year 2022 |
| Design | 371 | 364 | 7 | | | | | | |
| Land & Right of Way | 1 | 1 | | | | | | | |
| Construction | 1,129 | - | 1,129 | | | | | | |
| Contingency | 407 | 1 | 406 | | | | | | |
| Total Expenditures | 1,908 | 366 | 1,542 | | | | | | |

| | Funding Sources | Project to Date 12/31/15 | Scheduled Year 2016 | Plan Year 2017 | Plan Year 2018 | Plan Year 2019 | Plan Year 2020 | Plan Year 2021 | Plan Year 2022 |
|-----------------------------|------------------------|---------------------------------|----------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Surface Water Utility | 1,512 | 335 | 1,177 | | | | | | |
| Local Grants (County, etc.) | 396 | | 396 | | | | | | |
| Total Funding | 1,908 | 335 | 1,573 | | | | | | |

| OPERATING IMPACT | | ANNUAL OPERATING IMPACT | | | | | | |
|-------------------------|-------------------------|--------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | Operating Impact | 6 Year Total | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 |
| Revenue | - | - | - | - | - | - | - | - |
| Expenses | - | - | - | - | - | - | - | - |
| Net Impact | - | - | - | - | - | - | - | - |

S. 251st Street Storm Outfall



CITY OF DES MOINES
2017 -2022 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

S. 251st Street Storm Outfall

451

CIP Category: Surface Water Mgmt

Managing Department: Public Works

Summary Project Description:

This project proposes to extend the 24-inch outfall pipe downslope away from the existing MSE wall and install a dissipator at the terminus.

Justification/Benefits: This project is a retrofit to a storm outfall improvement made in 2014 which failed following heavy rains in October 2015.

PROJECT SCOPE

| | <i>Total Budget</i> | <i>Project to Date 12/31/15</i> | <i>Scheduled Year</i> | <i>Plan Year</i> | <i>Plan Year</i> | <i>Plan Year</i> | <i>Plan Year</i> |
|---------------------------|---------------------|---------------------------------|-----------------------|------------------|------------------|------------------|------------------|
| | | | <i>2016</i> | <i>2017</i> | <i>2018</i> | <i>2019</i> | <i>2020</i> |
| Design | 106 | | 106 | | | | |
| Land & Right of Way | - | | | | | | |
| Construction | 200 | | 200 | | | | |
| Contingency | 64 | | 64 | | | | |
| Total Expenditures | 370 | | 370 | | | | |

Funding Sources

| | <i>Total Budget</i> | <i>Project to Date 12/31/15</i> | <i>Scheduled Year</i> | <i>Plan Year</i> | <i>Plan Year</i> | <i>Plan Year</i> | <i>Plan Year</i> |
|-----------------------|---------------------|---------------------------------|-----------------------|------------------|------------------|------------------|------------------|
| | | | <i>2016</i> | <i>2017</i> | <i>2018</i> | <i>2019</i> | <i>2020</i> |
| Surface Water Utility | 370 | | | | | | |
| Total Funding | 370 | | 370 | | | | |

OPERATING IMPACT

| | <i>Operating Impact</i> | <i>6 Year Total</i> | <i>2016</i> | <i>2017</i> | <i>2018</i> | <i>2019</i> | <i>2020</i> | <i>2021</i> | <i>2022</i> |
|----------|-------------------------|---------------------|-----------------|-------------------|----------------|-----------------|-------------------|----------------|-----------------|
| | | <i>Revenue</i> | <i>Expenses</i> | <i>Net Impact</i> | <i>Revenue</i> | <i>Expenses</i> | <i>Net Impact</i> | <i>Revenue</i> | <i>Expenses</i> |
| Revenue | - | - | - | - | - | - | - | - | - |
| Expenses | - | - | - | - | - | - | - | - | - |

24th Ave Pipeline Replacement/Upgrade



CITY OF DES MOINES
2017 -2022 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

24th Ave Pipeline Replacement/Upgrade **451.815**

CIP Category: Surface Water Mgmt

Managing Department: Plan, Build & PW Admin

Summary Project Description:

Replacement of existing 12-inch storm drainage system on 24th Avenue from S. 224th to S. 227th Street with approximately 1100 feet of 36-inch pipe.

Justification/Benefits: During major storms the drainage system along the east side of 24th Avenue between S. 226th and S.227th overflows to the pipe system on the west side. These overflows bypass the trunk system which conveys flows to the City Park detention facility and flood properties south of 227th south of Pacific Middle School. This project is recommended in the 1992 Massey Creek Basin Plan.

PROJECT SCOPE

| | ANNUAL ALLOCATION | | | | | |
|---------------------------|--------------------------|---------------------|----------------|----------------|----------------|----------------|
| | Project to Date 12/31/15 | Scheduled Year 2016 | Plan Year 2017 | Plan Year 2018 | Plan Year 2019 | Plan Year 2020 |
| Design | 30 | 30 | - | - | - | - |
| Land & Right of Way | - | - | - | - | - | - |
| Construction | 192 | - | - | 192 | - | - |
| Contingency | 41 | - | - | 41 | - | - |
| Total Expenditures | 263 | - | 30 | 233 | - | - |

Funding Sources

| | ANNUAL ALLOCATION | | | | | |
|-----------------------|--------------------------|---------------------|----------------|----------------|----------------|----------------|
| | Project to Date 12/31/15 | Scheduled Year 2016 | Plan Year 2017 | Plan Year 2018 | Plan Year 2019 | Plan Year 2020 |
| Surface Water Utility | 263 | - | - | 263 | - | - |
| Total Funding | 263 | - | - | 263 | - | - |

OPERATING IMPACT

| | ANNUAL OPERATING IMPACT | | | | | |
|-------------------------|-------------------------|-------------------|----------|----------|----------|----------|
| | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
| Operating Impact | 6 | Year Total | - | - | - | - |
| Revenue | - | - | - | - | - | - |
| Expenses | - | - | - | - | - | - |
| Net Impact | - | - | - | - | - | - |

Pipe Replacement Program



CITY OF DES MOINES
2017-2022 CAPITAL IMPROVEMENT PLAN
 (Amount in Thousands)

| | |
|--------------------------|---------|
| Pipe Replacement Program | 451.826 |
|--------------------------|---------|

CIP Category: Surface Water Mgmt

Managing Department: Plan, Build & PW Admin

Summary Project Description:

Replacement of existing pipes based on customer request and video based condition assessment. This program is scheduled to be finished in 2022.

Justification/Benefits: A video assessment of existing storm drain pipes is scheduled to begin in 2016. From the assessment a prioritized list of pipes needing replacement will be developed along with estimated costs.

| PROJECT SCOPE | | ANNUAL ALLOCATION | | | | | | | |
|---------------------------|-----------------|-------------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| | | Scheduled Date 12/31/15 | Plan Year 2016 | Plan Year 2017 | Plan Year 2018 | Plan Year 2019 | Plan Year 2020 | Plan Year 2021 | Plan Year 2022 |
| Expenditures | Total Budget | 227 | - | | 38 | 38 | 38 | 38 | 38 |
| Design | | - | | | | | | | 37 |
| Land & Right of Way | | - | | | | | | | |
| Construction | | 1,120 | - | | | 230 | 230 | 230 | 200 |
| Contingency | | 293 | - | | 11 | 60 | 60 | 60 | 42 |
| Total Expenditures | 1,640 | | | | 49 | 328 | 328 | 328 | 279 |

| Funding Sources | | ANNUAL ALLOCATION | | | | | | | |
|-----------------------|--------------|-------------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| | | Scheduled Date 12/31/15 | Plan Year 2016 | Plan Year 2017 | Plan Year 2018 | Plan Year 2019 | Plan Year 2020 | Plan Year 2021 | Plan Year 2022 |
| Surface Water Utility | | 1,640 | - | | 49 | 328 | 328 | 328 | 279 |
| Total Funding | 1,640 | | | | 49 | 328 | 328 | 328 | 279 |

| OPERATING IMPACT | | ANNUAL OPERATING IMPACT | | | | | | | |
|-------------------|--------------|-------------------------|----------|----------|----------|----------|----------|----------|--|
| | 6 Year Total | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | |
| Operating Impact | - | - | - | - | - | - | - | - | |
| Revenue | - | - | - | - | - | - | - | - | |
| Expenses | - | - | - | - | - | - | - | - | |
| Net Impact | - | - | - | - | - | - | - | - | |

1st Ave Pond Expansion



**CITY OF DES MOINES
2017 - 2022 CAPITAL IMPROVEMENTS
(Amount in Thousands)**

1st Ave Pond Expansion 451.823

CIP Category: Surface Water Mgmt

Managing Department: Plan, Build & PW Admin

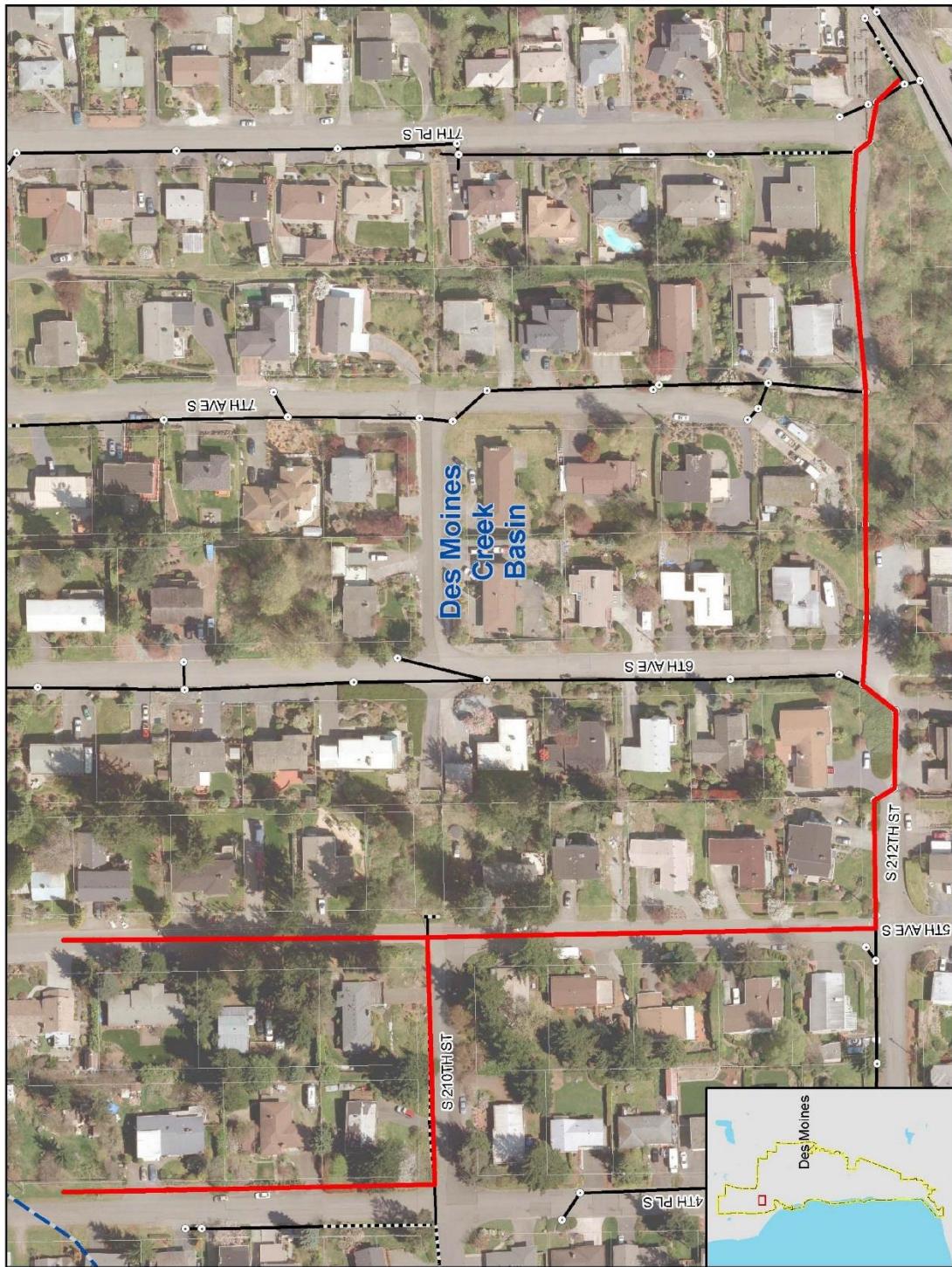
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Justification/Benefits: The existing 199th trunk line was reviewed for capacity in the Normandy Park Comprehensive Plan - Normandy Creek Upper Basin. The trunk line was found to be undersized (for most storms) for 200 feet, aged for the remaining sections and does not meet current design standards. The increased size will alleviate local flooding that occurs in the upper basin of Normandy Creek. In order to provide mitigation for downstream impacts, the 1st Avenue Pond that is currently owned by Normandy Park will need to be expanded. An interlocal agreement will need to be made with Normandy Park for the expansion project as well as for the long-term maintenance of the facility. Roughly 50% of the basin area is within Des Moines city limits. The cost for the land (\$42,500 purchased in 2000) has been deducted from Des Moines' share of the cost.

| Project Scope | | Annual Allocation | | | | | | | |
|---------------------|--------------|-------------------|----------------|-----------|-----------|-----------|-----------|-----------|-----------|
| Expenditures | Total Budget | Project to Date | Scheduled Year | Plan Year |
| | | 12/31/15 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 |
| Design | 47 | - | - | - | - | 47 | - | - | - |
| Land & Right of Way | - | - | - | - | - | - | - | - | - |
| Construction | 259 | - | - | - | - | - | 259 | - | - |
| Contingency | 79 | - | - | - | - | 13 | - | 66 | - |
| Total Expenditures | 185 | - | - | - | - | 60 | 325 | - | - |

5th Ave/212th Street Pipe Upgrade



CITY OF DES MOINES
2017-2022 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

| | |
|-----------------------------------|-----|
| 5th Ave/212th Street Pipe Upgrade | 451 |
|-----------------------------------|-----|

CIP Category: Surface Water Mgmt

Managing Department: Plan, Build & PW Admin

Summary Project Description:

Replacement of approximately 2,630 feet of cmip pipe with new 12-inch pipe and 930 feet of 18-inch pipe in the North Hill area in the vicinity of 212th Street and 5th Avenue South.

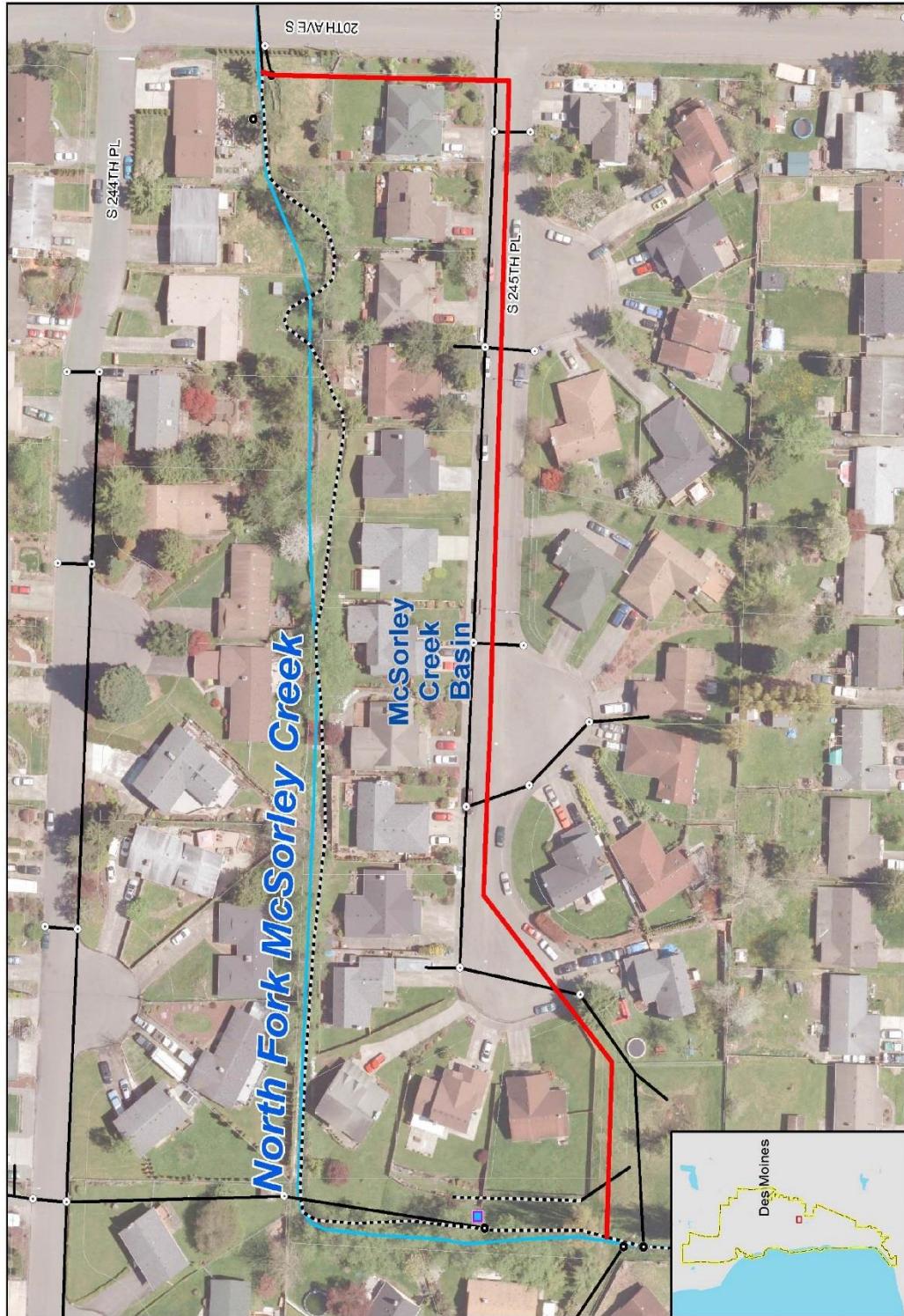
Justification/Benefits: This project will replace over 2,000 feet of aged corrugated metal pipe and upgrade over 900 feet of pipe to 18-inch pipe that has inadequate capacity during major storms. During two major storm events in 2013 and 2014, the pipe system overflowed creating significant erosion near the stairway at 212th Street and Des Moines Memorial Drive. The project will connect to the DMMD pipe upgrade installed in 2014. This project is identified as a high-priority project (CIP-16) in the 2015 Stormwater Comprehensive Plan.

| PROJECT SCOPE | | ANNUAL ALLOCATION | | | | | | | |
|---------------------------|--------------|--------------------------|---------------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Expenditures | Total Budget | Project to Date 12/31/15 | Scheduled Year 2016 | Plan Year 2017 | Plan Year 2018 | Plan Year 2019 | Plan Year 2020 | Plan Year 2021 | Plan Year 2022 |
| Design | 161 | - | - | - | - | - | - | 161 | - |
| Land & Right of Way | - | - | - | - | - | - | - | - | - |
| Construction | 529 | - | - | - | - | - | - | 529 | - |
| Contingency | 125 | - | - | - | - | - | - | 125 | - |
| Total Expenditures | 815 | | | | | | | 815 | |

| Funding Sources | Total Budget | Project to Date 12/31/15 | Scheduled Year 2016 | Plan Year 2017 | Plan Year 2018 | Plan Year 2019 | Plan Year 2020 | Plan Year 2021 | Plan Year 2022 |
|-----------------------|--------------|--------------------------|---------------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Surface Water Utility | 815 | - | - | - | - | - | - | 815 | - |
| Total Funding | 815 | | | | | | | 815 | |

| ANNUAL OPERATING IMPACT | | | | | | | | | | |
|-------------------------|----------|--------------|---|------|------|------|------|------|------|------|
| Operating Impact | | 6 Year Total | | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 |
| Revenue | - | - | - | - | - | - | - | - | - | - |
| Expenses | - | - | - | - | - | - | - | - | - | - |
| Net Impact | - | | | | | | | | | |

N. Fork McSorley Ck Diversion



**CITY OF DES MOINES
2017-2022 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)**

| | |
|-------------------------------|-----|
| N. Fork McSorley Ck Diversion | 451 |
|-------------------------------|-----|

CIP Category: Surface Water Mgmt

Managing Department: Plan, Build & PW Admin

Summary Project Description:

This project proposes to install a diversion structure on 20th Ave. S. between S. 244th Pl. and 245th Pl. From the diversion structure a new 24-in storm bypass pipe will be installed on the west side of 20th Avenue, turn west and follow the south side of 245th Pl and then to McSorley Creek. This project also includes pavement restoration, replacement of curb and gutter and minimal dredging of McSorley Creek and bank stabilization near the discharge point of the bypass pipe.

Justification/Benefits: When the Des Moines Trace Subdivision was developed in the early 1980's a segment of the north fork of McSorley Creek was relocated to a narrow rock lined channel within a 15-foot wide drainage easement along the north side of the subdivision (lots 14 through 25). Over time this channel has filled in with sediment and is overgrown with canary reed grass causing the channel to overtop and flood both the subdivision lots and the adjacent properties to the north. This project will provide a flow diversion whereby normal flows will continue into the creek section but high flows are bypassed to a lower point in the channel. As part of this project, the channel section across lots 17-25 will be dredged. This is a high-priority project (CIP-30) identified in the 2015 SWM Comprehensive Plan.

PROJECT SCOPE

| Expenditures | Total Budget | ANNUAL ALLOCATION | | | | | |
|---------------------|--------------|--------------------------|---------------------|----------------|----------------|----------------|----------------|
| | | Project to Date 12/31/15 | Scheduled Year 2016 | Plan Year 2017 | Plan Year 2018 | Plan Year 2019 | Plan Year 2020 |
| Design | 85 | - | - | - | - | 85 | - |
| Land & Right of Way | - | - | - | - | - | - | - |
| Construction | 281 | - | - | - | - | - | 281 |
| Contingency | 66 | - | - | - | - | - | 66 |
| Total Expenditures | 432 | - | - | - | - | - | 432 |

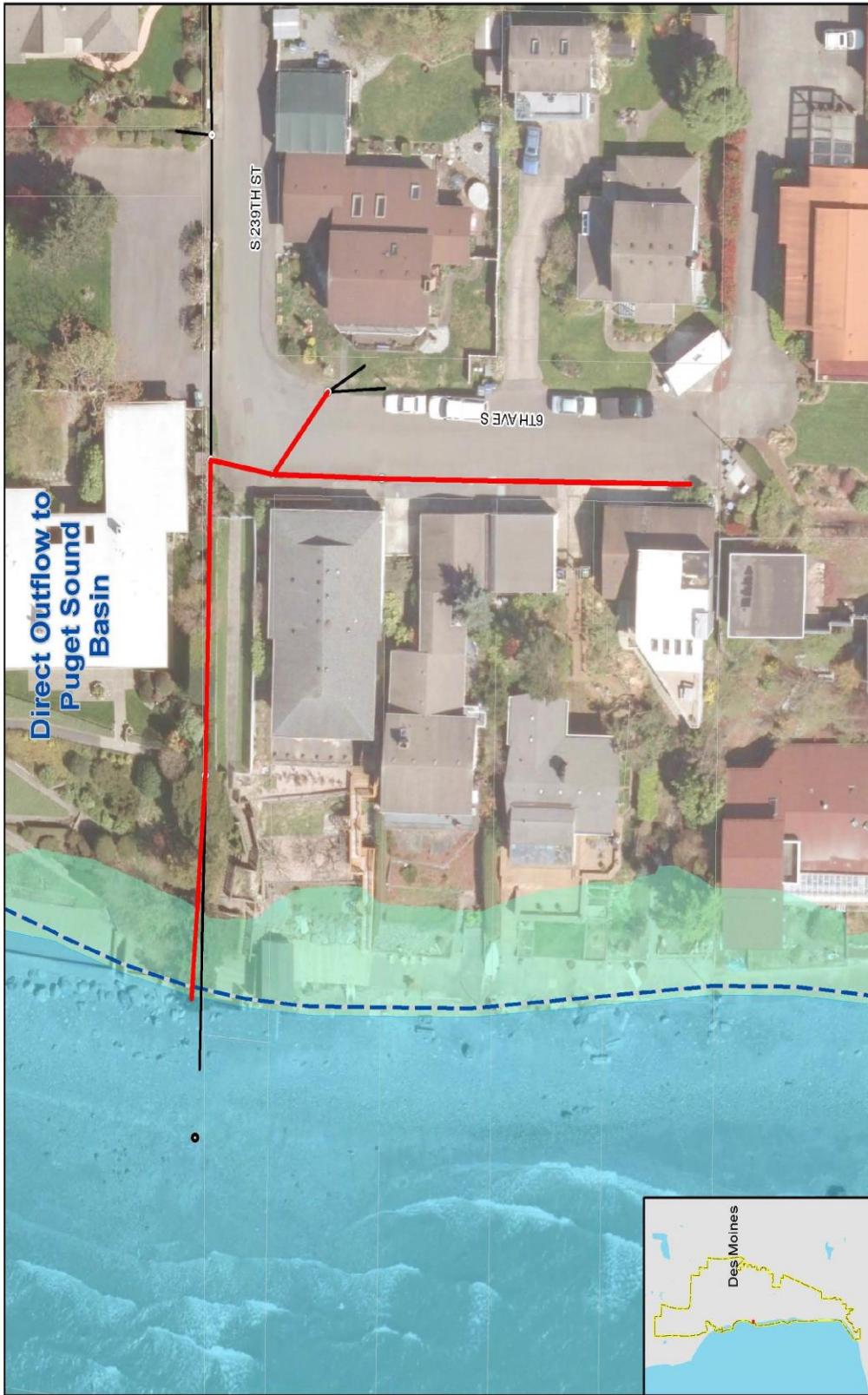
Funding Sources

| Funding Sources | Total Budget | ANNUAL ALLOCATION | | | | | |
|-----------------------|--------------|--------------------------|---------------------|----------------|----------------|----------------|----------------|
| | | Project to Date 12/31/15 | Scheduled Year 2016 | Plan Year 2017 | Plan Year 2018 | Plan Year 2019 | Plan Year 2020 |
| Surface Water Utility | 432 | - | - | - | - | - | - |
| Total Funding | 432 | - | - | - | - | - | - |

OPERATING IMPACT

| Operating Impact | 6 Year Total | ANNUAL OPERATING IMPACT | | | | | |
|------------------|--------------|-------------------------|------|------|------|------|------|
| | | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
| Revenue | - | - | - | - | - | - | - |
| Expenses | - | - | - | - | - | - | - |
| Net Impact | - | - | - | - | - | - | - |

6th Ave/239th Pipe Replacement



CITY OF DES MOINES
2017 -2022 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

| | |
|--------------------------------|-----|
| 6th Ave/239th Pipe Replacement | 451 |
|--------------------------------|-----|

CIP Category: Surface Water Mgmt

Managing Department: Plan, Build & PW Admin

Summary Project Description:

This project proposes to replace the existing 8-inch drainage system on the west side of 6th Ave S. and connect to the drainage system on 239th Street. This project will also install a new 18-inch HDPE storm drain outfall from 239th St. to Puget Sound. The stairway above the outfall pipe will be replaced as part of this project.

Justification/Benefits: During major storms the drainage system, the small 8-inch conveyance system within 6th Avenue S. is overcome and overflows into the properties on the west side of the street. In addition, the outfall pipe from S. 239th is comprised of coated corrugated steel pipe that has separated in the lower section of the pipe that leads over the bank to the Sound. This project proposes to upgrade the 8-inch pipe on 6th Avenue to standard 12-inch and replace the corrugated steel outfall pipe with HDPE pipe. This project also proposes to replace the stairway that is located above the outfall pipe. This is a high-priority project (CIP-39) listed in the 2015 SWM Comprehensive Plan.

| PROJECT SCOPE | | ANNUAL ALLOCATION | | | | | |
|---------------------------|---------------------|--------------------------|------------------|------------------|------------------|------------------|------------------|
| <i>Expenditures</i> | <i>Total Budget</i> | <i>Scheduled Date</i> | <i>Plan Year</i> |
| Design | 38 | 12/31/15 | 2016 | 2017 | 2018 | 2019 | 2020 |
| Land & Right of Way | - | - | - | - | - | - | - |
| Construction | 124 | - | - | - | - | - | 124 |
| Contingency | 29 | - | - | - | - | - | 29 |
| Total Expenditures | 191 | | | | | | 191 |

| <i>Funding Sources</i> | <i>Total Budget</i> | <i>Scheduled Date</i> | <i>Plan Year</i> |
|------------------------|---------------------|-----------------------|------------------|------------------|------------------|------------------|------------------|
| Surface Water Utility | 191 | 12/31/15 | 2016 | 2017 | 2018 | 2019 | 2020 |
| Total Funding | 191 | | | | | | 191 |

| OPERATING IMPACT | | | | | | | |
|-------------------------|---------------------|-------------|-------------|-------------|-------------|-------------|-------------|
| <i>Operating Impact</i> | <i>6 Year Total</i> | <i>2016</i> | <i>2017</i> | <i>2018</i> | <i>2019</i> | <i>2020</i> | <i>2021</i> |
| Revenue | - | - | - | - | - | - | - |
| Expenses | - | - | - | - | - | - | - |
| Net Impact | - | | | | | | - |

14th Ave (268th to 272nd) Pipe Upgrade



CITY OF DES MOINES
2017 -2022 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

| | |
|--|-----|
| 14th Ave (268th to 272nd) Pipe Upgrade | 451 |
|--|-----|

CIP Category: Surface Water Mgmt

Managing Department: Plan, Build & PW Admin

Summary Project Description:

This project proposes to upgrade the ditch and driveway culvert system along the west side of 14th Avenue with a new storm pipe as well as replace the existing culverts below 272nd Street and 268th Street. This project includes 900 linear feet of 36-inch diameter pipe, 6 manhole structures, an outfall dissipator, and minimal road restoration.

Justification/Benefits: The culvert below 272nd Street is not sufficiently sized and is too shallow. During major storms the pipe system leading from the Redondo Riveria subdivision (south of 272nd) backs up creating significant flooding within the subdivision particularly in the vicinity of 275th Place and 15th Place. North of 272nd St., the drainage system on 14th Avenue is comprised of a shallow ditch system with driveway culverts that are easily blocked exacerbating the problem south of 272nd Street. There is also significant erosion due to a drop of grade at the downstream end of the culvert at S. 268th Street. This project proposes to replace the culverts at 272nd Street and 268th Street and install a new 36-inch pipe system on the west side of 14th Avenue from 272nd Street to 270th Street. This project is a high-priority project (CIP-36) listed in the 2015 SWM Comprehensive Plan.

| PROJECT SCOPE | | ANNUAL ALLOCATION | | | | | | | |
|---------------------------|--------------|--------------------------|---------------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Expenditures | Total Budget | Project to Date 12/31/15 | Scheduled Year 2016 | Plan Year 2017 | Plan Year 2018 | Plan Year 2019 | Plan Year 2020 | Plan Year 2021 | Plan Year 2022 |
| Design | 94 | - | | | | | | 94 | |
| Land & Right of Way | - | | | | | | | | |
| Construction | 310 | - | | | | | | 310 | |
| Contingency | 74 | - | | | | | | 74 | |
| Total Expenditures | 478 | | | | | | | 478 | |

| Funding Sources | Total Budget | Project to Date 12/31/15 | Scheduled Year 2016 | Plan Year 2017 | Plan Year 2018 | Plan Year 2019 | Plan Year 2020 | Plan Year 2021 | Plan Year 2022 |
|-----------------------|--------------|--------------------------|---------------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Surface Water Utility | 478 | | | | | | | 478 | |
| Total Funding | 478 | | | | | | | 478 | |

| OPERATING IMPACT | | ANNUAL OPERATING IMPACT | | | | | |
|-------------------|--------------|-------------------------|------|------|------|------|------|
| Operating Impact | 6 Year Total | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 |
| Revenue | - | - | - | - | - | - | - |
| Expenses | - | - | - | - | - | - | - |
| Net Impact | - | | | | | | |

216th Pl./ Marine View Dr. Pipe Upgrade



CITY OF DES MOINES
2017-2022 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

216th Pl./Marine View Dr. Pipe Upgrade

451

CIP Category: Surface Water Mgmt

Managing Department: Plan, Build & PW Admin

Summary Project Description:

This project proposes to upgrade the ditch along Des Moines Memorial Drive with 300 linear feet of new 18-inch diameter pipe and connecting to 170 linear feet of new larger 24-inch diameter storm system crossing the intersection of MVD (216th Place). The project also proposes to pipe the ditches on the west side of 6th Avenue connecting to the new pipe system on DMMD.

Justification/Benefits: Previous upgrades have occurred within the storm system downstream of the project and west of the project along 216th Place. This project proposes to upsize the 18-inch crossing at Marine View Drive to 24-inch as well as pipe the ditch along Des Moines Memorial Drive. Along the storm segment below MVD near the border of Normandy Park and Des Moines is a buried inaccessible structure that may become blocked with debris and cause backup and flooding of the intersection and overflow to areas of recent landside activity. This project will be coordinated with the City of Normandy Park (cost share for the portion of project within Normandy Park not shown). This is a high-priority project (CIP-17) listed in the 2015 SWM Comprehensive Plan.

PROJECT SCOPE

| Expenditures | Total Budget | Project to Date | Scheduled Year | Plan Year | Plan Year | Plan Year | Plan Year |
|---------------------------|--------------|-----------------|----------------|-----------|-----------|-----------|-----------|
| | | 12/31/15 | 2016 | 2017 | 2018 | 2019 | 2020 |
| Design | 61 | - | | | | | |
| Land & Right of Way | - | | | | | | |
| Construction | 200 | - | | | | | |
| Contingency | 48 | - | | | | | |
| Total Expenditures | 309 | | | | | | |

Funding Sources

| Total Budget | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 |
|-----------------------|------------|------|------|------|------|------|------|
| Surface Water Utility | - | - | - | - | - | - | - |
| Total Funding | 309 | | | | | | |

OPERATING IMPACT

| Operating Impact | 6 Year Total | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 |
|------------------|--------------|------|------|------|------|------|------|------|
| Revenue | - | - | - | - | - | - | - | - |
| Expenses | - | - | - | - | - | - | - | - |

ANNUAL OPERATING IMPACT

KDM / 16th Avenue Pipe Replacement



CITY OF DES MOINES
2017-2022 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

| | |
|-------------------------------------|-----|
| KDM /16th Avenue A Pipe Replacement | 451 |
|-------------------------------------|-----|

CIP Category: Surface Water Mgmt

Managing Department: Plan, Build & PW Admin

Summary Project Description:

Replace approximately 300 feet of existing roadside ditch (east of 16th Avenue) along KDM Road with 24-inch storm pipe and connect to existing 18-inch culvert crossing KDM Rd at 16th Avenue. Install 50 feet new 24-inch storm drain southwest of KDM Road connecting to existing 18-inch culvert crossing and replace 350 feet of existing 24-inch corrugated metal pipe with larger 36-inch pipe downstream of the culvert crossing.

Justification/Benefits: During major storm events the capacity of the existing drainage system along Kent-Des Moines Road and the highway crossing will be exceeded causing runoff to overflow across KDM and flood the property downstream. In addition, the system on that property (located within a public drainage easement) that intercepts flows is also insufficiently sized and is prone to overtopping. This project proposes to replace the undersized pipes with 24-inch and 36-inch diameter pipes. This is a high-priority project (CIP-25A) listed in the 2015 SWM Comprehensive Plan and to be coordinated with projects CIP-4 and CIP-25B that would take a portion of the flows west to a new outfall pipe at Barnes Creek (rather than upsizing the 18-inch corrugated aluminum crossing below KDM Road.)

Replace approximately 300 feet of existing roadside ditch (east of 16th Avenue) along KDM Road with 24-inch storm pipe and connect to existing 18-inch culvert crossing KDM Rd at 16th Avenue. Install 50 feet new 24-inch storm drain southwest of KDM Road connecting to existing 18-inch culvert crossing and replace 350 feet of existing 24-inch corrugated metal pipe with larger 36-inch pipe downstream of the culvert crossing.

PROJECT SCOPE

| Expenditures | Project to | | Scheduled | Plan | Plan | Plan | Plan |
|---------------------------|------------|------|-----------|------|------|------|------------|
| | Total | Date | Year | Year | Year | Year | Year |
| | 12/31/15 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
| Design | 54 | - | - | - | - | - | 54 |
| Land & Right of Way | - | - | - | - | - | - | - |
| Construction | 176 | - | - | - | - | - | 176 |
| Contingency | 42 | - | - | - | - | - | 42 |
| Total Expenditures | 272 | | | | | | 272 |

Funding Sources

| Funding Sources | Project to | | Scheduled | Plan | Plan | Plan | Plan |
|-----------------------|------------|--------|-----------|------|------|------|------------|
| | Total | Budget | Date | Year | Year | Year | Year |
| | 12/31/15 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
| Surface Water Utility | 272 | | | | | | |
| Total Funding | 272 | | | | | | 272 |

OPERATING IMPACT

| Operating Impact | ANNUAL OPERATING IMPACT | | | | | |
|-------------------|-------------------------|----------|----------|----------|----------|----------|
| | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
| Revenue | - | - | - | - | - | - |
| Expenses | - | - | - | - | - | - |
| Net Impact | - | - | - | - | - | - |

DMMD 208th to 212th Pipe Project



CITY OF DES MOINES
2017-2022 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

DMMD 208th to 212th Pipe Project 451

CIP Category: Surface Water Mgmt

Managing Department: Plan, Build & PW Admin

| | | <i>Summary Project Description:</i> | | | | | |
|---|--|-------------------------------------|--|--|--|--|--|
| Replace approximately 1500 feet of existing roadside ditch and corrugated metal pipe along the west side of Des Moines Memorial Drive from 208th Street to 212th Street. Includes installation of 14 manhole structures and minimal road restoration. | | | | | | | |

Justification/Benefits: The ditch and culvert system along the west side of Des Moines Memorial Drive is insufficient to convey a 25-year storm causing water to pool in the south bound lane of Des Moines Memorial Drive. This project proposes to replace the existing corrugated metal pipe and ditch system with approximately 1500 feet of new 18-inch pipe that would connect to the pipe replacement work made on Des Moines Memorial Drive in 2014. This project is a high priority project (CIP-18) listed in the 2015 SWM Comprehensive Plan.

| | | <i>PROJECT SCOPE</i> | | | | | |
|---------------------------|---------------------|--------------------------|-----------------------|------------------|------------------|------------------|------------------|
| | | <i>ANNUAL ALLOCATION</i> | | | | | |
| | | <i>Project to Date</i> | <i>Scheduled Year</i> | <i>Plan Year</i> | <i>Plan Year</i> | <i>Plan Year</i> | <i>Plan Year</i> |
| | | 12/31/15 | 2016 | 2017 | 2018 | 2019 | 2020 |
| Expenditures | Total Budget | 119 | - | | | | |
| Design | | - | | | | | |
| Land & Right of Way | | - | | | | | |
| Construction | | 391 | - | | | | |
| Contingency | | 93 | - | | | | |
| Total Expenditures | Total Budget | 603 | - | - | - | - | - |

| | | <i>Funding Sources</i> | | | | | |
|------------------------|---------------------|--------------------------------|-----------------------|------------------|------------------|------------------|------------------|
| | | <i>ANNUAL OPERATING IMPACT</i> | | | | | |
| | | <i>Project to Date</i> | <i>Scheduled Year</i> | <i>Plan Year</i> | <i>Plan Year</i> | <i>Plan Year</i> | <i>Plan Year</i> |
| | | 12/31/15 | 2016 | 2017 | 2018 | 2019 | 2020 |
| Funding Sources | Total Budget | 603 | - | | | | |
| Surface Water Utility | | - | | | | | |
| Total Funding | Total Budget | 603 | - | - | - | - | - |

| | | <i>ANNUAL OPERATING IMPACT</i> | | | | | |
|-------------------------|---------------------|--------------------------------|-----------------------|------------------|------------------|------------------|------------------|
| | | <i>ANNUAL OPERATING IMPACT</i> | | | | | |
| | | <i>Project to Date</i> | <i>Scheduled Year</i> | <i>Plan Year</i> | <i>Plan Year</i> | <i>Plan Year</i> | <i>Plan Year</i> |
| | | 12/31/15 | 2016 | 2017 | 2018 | 2019 | 2020 |
| Operating Impact | 6 Year Total | - | - | - | - | - | - |
| Revenue | | - | - | - | - | - | - |
| Expenses | | - | - | - | - | - | - |
| Net Impact | Net Impact | - | - | - | - | - | - |

8th Avenue (264th to 265th)



CITY OF DES MOINES
2017-2022 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

| | |
|--------------------------|-----|
| 8th Ave (264th to 265th) | 451 |
|--------------------------|-----|

CIP Category: Surface Water Mgmt

Managing Department: Public Works

Summary Project Description:

This project proposes to install approximately 910 feet of 12 inch storm pipe, 9 catch basins along the west side of 8th Avenue and replace an existing manhole at the intersection of S 265th Place and 8th Avenue where the new storm drain system connects to the existing system.

Justification/Benefits: Presently most of the runoff from 8th Avenue sheetflows on the properties west of 8th Avenue and is not collected into the existing system located on the east side of the road. The purpose of this project is to collect and prevent runoff from 8th Avenue from exacerbating a landside hazard located west of the project. This is a high priority project listed in the 2015 SWM Comprehensive Plan.

PROJECT SCOPE

| <i>Expenditures</i> | <i>Total Budget</i> | ANNUAL ALLOCATION | | | | |
|---------------------------|---------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| | | <i>Scheduled Date</i> | <i>Plan Year 2016</i> | <i>Plan Year 2017</i> | <i>Plan Year 2018</i> | <i>Plan Year 2019</i> |
| Design | 30 | | | | | |
| Land & Right of Way | - | | | | | |
| Construction | 210 | | | | | |
| Contingency | 30 | | | | | |
| Total Expenditures | 270 | | | | | |
| | | <i>Scheduled Date</i> | <i>Plan Year 2016</i> | <i>Plan Year 2017</i> | <i>Plan Year 2018</i> | <i>Plan Year 2019</i> |
| | | | | | | |

Funding Sources

| <i>Total Budget</i> | ANNUAL OPERATING IMPACT | | | | |
|------------------------------|-------------------------|-------------------------|---------------------|-------------|-------------|
| | <i>2016</i> | <i>2017</i> | <i>2018</i> | <i>2019</i> | <i>2020</i> |
| Surface Water Utility | | | | | |
| Total Funding | 270 | | | | |
| | | <i>Operating Impact</i> | <i>6 Year Total</i> | <i>2017</i> | <i>2018</i> |
| | | | | | |
| Revenue | - | - | - | - | - |
| Expenses | - | - | - | - | - |
| Net Impact | - | | | | |

KDM/16th Ave B Pipe Replacement



CITY OF DES MOINES
2017 -2022 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

KDM/16th Ave B Pipe Replacement

451

CIP Category: Surface Water Mgmt

Managing Department: Plan, Build & PW Admin

Summary Project Description:

Install a new stormwater conveyance system on the west side of 16th Avenue S consisting of approximately 1220 feet of 12 inch pipe and 6 catch basins. Replace the existing ditch along the north side of Kent-DesMoines Road (KDM) with approximately 935 feet of 36 inch pipe and 9 storm drain manholes. The new 16th Ave S storm system will connect to the new system on KDM and outfall to Barnes Creek.

Justification/Benefits: During periods of heavy rainfall, runoff from 16th Avenue will overtop Kent-Des Moines Road (KDM) and erode/flood the properties on the south side of the road. This project will better collect the runoff from the west side of 16th Avenue and the north side of KDM and allow the abandonment of at least one KDM storm crossing. The project will also enclose the existing ditch system along KDM for vehicle and pedestrian safety. This project is a high priority project (CIP-25B) listed in the 2015 SWM Comprehensive Plan.

PROJECT SCOPE

| <i>Expenditures</i> | <i>Annual Allocation</i> | | | | |
|---------------------------|--------------------------|-----------------------|------------------|------------------|------------------|
| | <i>Project to Date</i> | <i>Scheduled Year</i> | <i>Plan Year</i> | <i>Plan Year</i> | <i>Plan Year</i> |
| <i>Total Budget</i> | <i>12/31/15</i> | <i>2016</i> | <i>2017</i> | <i>2018</i> | <i>2019</i> |
| Design | 176 | | | | |
| Land & Right of Way | - | | | | |
| Construction | 572 | | | | |
| Contingency | 132 | | | | |
| Total Expenditures | 880 | | | | |

Funding Sources

| <i>Total Budget</i> | <i>Annual Allocation</i> | | | | |
|-----------------------|--------------------------|-----------------------|------------------|------------------|------------------|
| | <i>Project to Date</i> | <i>Scheduled Year</i> | <i>Plan Year</i> | <i>Plan Year</i> | <i>Plan Year</i> |
| <i>12/31/15</i> | <i>2016</i> | <i>2017</i> | <i>2018</i> | <i>2019</i> | <i>2020</i> |
| Surface Water Utility | 880 | | | | |
| Total Funding | 880 | | | | |

OPERATING IMPACT

| <i>Operating Impact</i> | <i>Annual Operating Impact</i> | | | | |
|-------------------------|--------------------------------|-------------|-------------|-------------|-------------|
| | <i>2016</i> | <i>2017</i> | <i>2018</i> | <i>2019</i> | <i>2020</i> |
| Revenue | - | - | - | - | - |
| Expenses | - | - | - | - | - |
| Net Impact | - | - | - | - | - |

GLOSSARY OF TERMS

ADA: Acronym for “Americans with Disabilities Act.”

ARRA: Acronym for “American Recovery and Reinvestment Act” or commonly referred to as *The Stimulus* or *The Recovery Act*

ASARCO: Acronym for “American Smelting and Refining Company.”

ASE: Acronym for “Automated Speed Enforcement” Program, which addresses traffic safety in school zones: 1) Woodmont Elementary School (16th Avenue South); and 2) Midway Elementary School and Pacific Middle School (24th Avenue South).

BFP: Boating Facilities Program state grant, administered by the Washington State Recreation and Conservation Office (RCO).

BRAC: Acronym for “Bridge Replacement Advisory Committee,” which advises WSDOT’s Highways and Local Programs (H&LP) Director to help inform the selection of bridge projects for funding from WSDOT’s Highway Bridge Program (HBP).

CDBG: Acronym for “Community Development Block Grant.”

CIP: Acronym for “Capital Improvement Plan.”

CMAQ: Acronym for “Congestion Mitigation and Air Quality.”

CTED: Acronym for “Community, Trade and Economic Development.”

Capital Expenditure: An expenditure which leads to the acquisition of a physical asset with a cost between \$5,000 and \$25,000 and a useful life of at least one year. Such expenditures are charged through an individual department’s operating budget and do not include those provided for in the Capital Improvement Plan project budget.

Capital Facility: A structure, improvement, piece of equipment or other major asset, including land, which has a useful life of at least five years. Capital facilities are provided by or for public purposes and services.

Capital Improvement: A project to create, expand, or modify a capital facility. The project may include design, permitting, environmental analysis, land acquisition, construction, landscaping, site improvements, initial furnishings and equipment and studies related to need and implementation. The project cost must exceed \$25,000 and have a useful life of five years.

Capital Improvement Plan: An approach or technique for identifying and forecasting capital outlay decisions that a government expects to make over a six year period.

Capital Outlay: Expenditures that result in the acquisition of or addition to capital assets.

Capital Project: The largely one-time cost for acquisition, construction, improvement, replacement or renovation of land structures and improvements thereon.

Comprehensive Plan: A method to utilize and strengthen the existing role, processes, and powers of local governments to establish and implement comprehensive planning programs which guide and control future development.

Contingency: A budgetary reserve set aside for emergency or unanticipated expenditures.

DMLF: Acronym for “Des Moines Legacy Foundation.”

DMMD: Acronym for “Des Moines Memorial Drive.”

Debt: An obligation resulting from the borrowing

Debt Service: The payment of principal and interest on borrowed funds and required contributions to accumulate monies for future retirement of bonds.

Debt Reserve: Monies restricted for the payment of principal and interest on outstanding bonds, usually based on the average annual debt service due on the outstanding bonds. A bond covenant that provides additional security for bond holders.

DOE: Acronym for “Department of Ecology.”

EDA: Acronym for “Economic Development Administration.”

EBCBG: Acronym for “Energy Efficiency and Conservation Block Grant Program” which provides funds used for energy efficiency and conservation programs and projects community wide, as well as renewable energy installations on government buildings.

Expenditure/Expense: This term refers to the outflow of funds paid for an asset obtained or goods and services obtained.

FEMA: Acronym for “Federal Emergency Management Agency.”

FHWA: Acronym for “Federal Highway Administration.”

Fund: A fiscal/accounting entity that is established to accomplish specific objectives and carry out specific activities. The operation of each fund is accounted for by providing a separate set of self-balancing accounts that comprise its assets, liabilities, fund equity, revenues and expenditures.

Fund Balance: Fund equity that reflects the accumulated excess of revenues and other financing sources over expenditures and other uses.

General Fund: The General Fund accounts for all revenues and expenditures not required to be accounted for in another fund. As is usual in state and local governments, it is the largest and most important accounting entity of the City.

General Governmental: The term describes funding and programs related to activities such as public safety, parks, transportation, and public health. Revenues to support such activities are generated primarily from taxes and user fees.

General Obligation Bonds: Bonds that finance a variety of public projects that are backed by the full faith and credit of the issuing government.

GIS: Acronym for “Geographical Information System.”

GO: Acronym for “General Obligation” Bonds.

Grant: A contribution by Federal, State, and other jurisdiction or organization to support a particular function.

HES: Acronym for “Hazard Elimination Safety.”

HOV: Acronym for “High Occupancy Vehicle.”

HSPF: Acronym for “Hydrological Simulation Program – Fortran.”

HVAC: Acronym for “Heating, Ventilating, and Air Conditioning.”

IAC: Acronym for Washington State Interagency Committee for Outdoor Recreation. This agency now is called Recreation and Conservation Office (RCO).

ILA: Acronym for “Interlocal Agreement”.

Impact Fees: A payment of money imposed by the City upon development activity as a condition of issuance of a building permit to pay for public facilities needed to serve new growth and development, and to mitigate the impacts of the development activity on the existing public facilities.

Infrastructure: The physical assets of a government (e.g., streets, bridges, water, sewer, storm systems, public buildings, parks, etc.).

In-Lieu: A payment alternative for funding capital expenditures.

Interfund Transfer: The movement of monies between funds of the same government entity.

ISTEA: Acronym for “Intermodal Surface Transportation Efficiency Act of 1991”.

KDM: Acronym for “Kent Des Moines” Road.

Level of Service: A quantifiable measure of the amount of public facility that is provided. Typically, measures of levels of service are expressed as ratios of facility capacity to demand.

LID: A Local Improvement District, or special assessments made against certain properties to defray part or all of the cost of a specific improvement or service deemed to primarily benefit those properties.

MCI: Acronym for “Municipal Capital Improvement” Fund.”

Ordinance: A formal legislative enactment by the governing body of a municipality. If it is not in conflict with any higher form of law, such as a state statute or constitutional provision, it has the full force and effect of law within the boundaries of the municipality to which it applies.

POS: Acronym for “Port of Seattle.”

PSE: Acronym for “Puget Sound Energy.”

Pac Hwy: Pacific Highway South.

Park In-Lieu Fees: A voluntary payment of money from a subdivision or multi-family development as an alternative to providing open space or park land for recreation purposes.

Pay-As-You-Go Basis: A term used to describe the financial policy of a government that finances all of its capital outlays from current revenues rather than borrowing. A government that pays for some improvements from current expenses and by borrowing is said to be on a modified pay-as-you-go basis.

Program: A distinct function of city government provided to the public or a function providing support to the direct services of other city departments.

Proprietary: The term describes funding and programs related to government owned public facilities that serve the public such as water, sewer, and surface water utilities, or recreation facilities such as marinas. Revenues to support such activities are generated primarily from user rates.

Public Facilities: Streets, roads, highways, bridges, sidewalks, street and road lighting systems, traffic signals, domestic water systems, storm and sanitary sewer systems, and parks and recreational facilities, including the necessary ancillary and support facilities under the ownership of the City of Des Moines or other government entity.

Public Services: Fire protection and suppression, law enforcement, public health, education, recreation, environmental protections, and other governmental services.

PWTF Loan: Acronym for “Public Works Trust Fund Loan”.

RAB: Acronym for “Round-a-bout.”

RCO: The Washington State Recreation and Conservation Office (formerly the Office of the Interagency Committee, also known as IAC).

REET: Acronym for “Real Estate Excise Tax”.

ROW: Right-of-Way

Resolution: A special or temporary order of a legislative body; an order of a legislative body requiring less legal formality than an ordinance or statute.

Revenue: Money that flows into the local government. It is recurring if it is received on a consistent basis (e.g., sales taxes and property taxes) and nonrecurring if it is received irregularly (e.g., federal and state grants).

Revenue Bonds: Revenue bonds are used for such public projects that will generate revenue producing facilities. Unlike general obligation bonds, revenue bonds are not backed by the full financial resources of the jurisdiction. Instead, security is offered by pledging revenues generated from the new facility.

SJUM: Acronym for “Steven J. Underwood Memorial” Park.

SRTS: Acronym for “Safe Routes to School.”

STP: Acronym for “Surface Transportation Program.”

SWM: Acronym for “Surface Water Management” Fund.”

Tax: Compulsory charge levied by a government to finance services performed for the common benefit.

TEA21: Acronym for “Transportation Equity Act for the 21st Century.”

TIA: Acronym for “Transportation Improvement Account.”

TIB: Acronym for “Transportation Improvement Board,” an independent state agency that makes and manages street construction and maintenance grants throughout Washington State.

TPP: Acronym for “Transportation Partnership Program.”

User Fee: The payment of a fee for a direct receipt of a public service by the party benefiting from the service.

WRIA: Acronym for “Water Resource Inventory Area.”

WSDOT: Acronym for “Washington State Department of Transportation.”